Corporate Concept

Yeng Tat Electronics Co., Ltd. is organized by a group of enthusiastic people who have already been engaged in the field of ferrite industry with technical and manufacturing experiences. As a leading manufacturer in Taiwan, Yeng Tat is famed among the local & abroad customers on its renowned quality products. Output of the company has tripled since its establishment in 1977 and plant facilities & personnel consequently have doubled. In view of steadily growing orders flowing in from clients spread over Hong Kong, Korea, Unite State, South America and European countries, the company is always at the stage of expansion. As a response to all premier customers, the staffs of Yeng Tat are determined to proceed with a step forward to an even-higher goal of administration and quality level.

As one of leading specialized manufacturers in producing Ferrite Cores in Taiwan, Yeng Tat has obtained ***ISO 9001*** certification since September 1998 and ***TS16949*** certification since September 2011 for its Taiwan factory.

The main products are Ferrite Cores made of Ni-Zn and Mn-Zn materials. On offer are PLANAR EI/EE, EI/EE/EF/EFD/ETD, POT/RM/EP/ER/ERC/PQ/EQ, UU/UI, T/TH/THP, R/RI/RID/RH/RWW, SDRI/LDRI/DRI/SDRP/MSDRI/MLDRI/MSRIH, MH/MDR/DR/DRWW/DR3W/DR4W, Frame and Bar Core, and SMB Beads.

Monthly production capacity is 80 tons for Ni-Zn Ferrite Cores and 100 tons for Mn-Zn Ferrite Cores.

RoHS Compliance Statement

January, 2018

This document serves as certification that all ferrite cores produced by Yeng Tat Electronics Co., Ltd. are compliant with the RoHS legislation (2002/95/EC) and its revision (2011/65/EU).

Due to the large amount of part numbers supplied to our customers, estimate that exceed 1,000 variety, it is impractical for Yeng Tat to have every part tested by a third party laboratory. Therefore our product lines are categorized by its respective material, powder of each material undergone testing by impartial third party laboratory for all RoHS restricted substances. The tested results will be representative of our entire array of ferrite core products.

In a small part of Yeng Tat Ni-Zn ferrite, Pb will be present. However, this use is exempt from RoHS legislation (2011/65/EU) per the annex No. 3 item 7(C)-1 referring to “lead in electronic ceramic parts”. In order for easier identification on the Pb content of our products, we have listed separately material of lead-contained and lead-free items for customers’ reference. We will continue to develop lead-free material as substitute to current lead-contained material, to offer our customers ample selection of desired materials.

If you have any questions, or if you would like to request RoHS analytical results, please contact our customer service representative.

Sincerely,

Tim Yang
Vice President

CORPORATE OVERVIEW

HOME PLANT:

COMPANY NAME	**:YENG TAT ELECTRONICS CO., LTD**	
	NO. 25, GONGXING ST., SHU-LIN DIST.,	
	NEW TAIPEI CITY, TAIWAN	
	TEL:886-2-26891473(REP.)	
	FAX:886-2-26894843	
	E-mail: yte@yeng-tat.com	
	sales@yeng-tat.com	
	http://www.yeng-tat.com	
DATE ESTABLISHED	:JANUARY 1977	
PROPRIETORS	:J.N.YANG (PRESIDENT)	
REGISTERED CAPITAL	:US$2,000,000.00	
LAND DIMENSION	:8,000㎡	
PLANT DIMENSION	:10,000㎡	
EMPLOYEES	:130	
PRODUCT	:Ni-Zn FERRITE CORES & Mn-Zn FERRITE CORES	
CAPACITY	:100 TON/M FOR Mn-Zn FERRITE CORES	
	80 TON/M FOR Ni-Zn FERRITE CORES	
MAIN EQUIPMENTS	:1. SPRAY DRYER	1 SET
	2. ELECTRIC FURNACE	3 PCS FOR MATERIAL(PUSH TYPE)
		3 PCS FOR Ni-Zn CORES(PUSH TYPE)
		3 PCS FOR Mn-Zn CORES(PUSH TYPE)
		2 PCS FOR Mn-Zn CORES(BATCH TYPE)
	3. PRESSES	55 PCS
	4. CUTTING FOR DRUM CORES	30 PCS(ROTARY TYPE)
		10 PCS(SINGLE TYPE)
	5. CENTERLESS MACHINES	3 PCS
	6. SURFACE GRINDING MACHINES	3 SET
	7. CUTTING MACHINE	1 SET(FOR EE,EI,U,UI CORES)
	8. GAPING MACHINE	1 SET(LINE GAPING)
		2 SET(CENTER GAPING)
	9. PARYLENE COATING SYSTEM	1 SET

CHINA PLANT:

COMPANY NAME	**:YENG TAT ELECTRONICS(EN PING) CO., LTD**	
	NO.39, SEC.F,FOREIGN-CAPITAL	
	& PRIVATE-OWNED INDUSTRIAL ZONE,	
	ENPING CITY, GUANGDONG, CHINA.	
	FAX:86-750-7815100	
	FAX:86-750-7815279	
	E-mail: yte@yeng-tat.com / joyce@yeng-tat.com.tw	
DATE ESTABLISHED	:OCTOBER 2007	
REGISTERED CAPITAL	:US$5,000,000.00	
LAND DIMENSION	:33,000㎡	
PLANT DIMENSION	:8,000㎡	
EMPLOYEES	:80	
PRODUCT	:Ni-Zn FERRITE CORES	
CAPACITY	:80 TON/M FOR Ni-Zn FERRITE CORES	
MAIN EQUIPMENTS	:1. ELECTRIC FURNACE	2 PCS FOR Ni-Zn CORES(PUSH TYPE)
	2. PRESSES	14 PCS
	3. CUTTING FOR DRUM CORES	9 PCS(ROTARY TYPE)
		3 PCS(SINGLE TYPE)
	4. CENTERLESS MACHINES	1 PCS

CONTENTS

PROPERTIES OF Ni-Zn FERRITE MATERIAL (LEAD FREE)

Property / YTE / Meterial	μ i	Working Frequency	Bm	Br	Hc	Tc	$\alpha\ \mu\ \gamma$	Tan δ / μ i	d	ρ
		MHZ	Gauss	Gauss	Oe	℃	x10^{-6} / ℃	x10^{-6}	g /cm^3	Ω㎝
L1HF	115	1 ~ 15	4100	3050	2.0	300	51	80(1MHZ) 90(15MHZ)	5.0	10^7
E9D	230	0.1 ~ 4	3800	2400	0.9	300	30	35(0.1MHZ) 70(4MHZ)	5.0	10^7
E9S	240	0.05 ~ 3	4300	3100	0.7	260	35	40(0.05MHZ) 80(3.0MHZ)	5.0	10^6
E9H	250	0.05 ~ 3	4300	3000	0.6	300	30	35(0.05MHZ) 70(3MHZ)	5.0	10^7
E4D	350	0.1 ~ 2	3500	1500	0.5	200	20	20(0.1MHZ) 90(2MHZ)	5.1	10^6
E4SV	360	0.1 ~ 2	4000	2000	0.5	240	25	20(0.1MHZ) 75(2.0MHZ)	4.9	10^6
E4DS	380	0.15 ~ 4	3800	2000	0.65	250	15	37(0.15MHZ) 220(4.0MHZ)	5.0	10^7
E4S	400	0.1 ~ 2	4200	2700	0.55	240	25	20(0.1MHZ) 80(2.0MHZ)	5.0	10^6
E4G	400	0.05 ~ 2	4000	2400	0.4	200	25	10(0.05MHZ) 65(2MHZ)	4.9	10^6
E4KV	410	0.1 ~ 2	4000	2400	0.7	260	20	30(0.1MHZ) 160(2.0MHZ)	5.0	10^7
E4K	450	0.1 ~ 2	4500	3100	0.7	260	20	25(0.1MHZ) 100(2.0MHZ)	5.0	10^7
E5D	500	0.1 ~ 1.5	3600	1500	0.5	200	15	20(0.1MHZ) 130(1.5MHZ)	5.0	10^7
E5S	600	0.1 ~ 1.5	4000	2400	0.4	180	20	10(0.1MHZ) 75(1.5MHZ)	5.0	10^6
E5K	600	0.1 ~ 1.5	4200	2800	0.24	220	30	10(0.1MHZ) 50(1.5MHZ)	5.0	10^6
E5G	700	0.1 ~ 1.5	4000	2400	0.3	180	20	14(0.1MHZ) 90(1.5MHZ)	5.0	10^7
E5H	900	0.1 ~ 1.5	3600	2100	0.35	150	10	10(0.1MHZ) 95(1.5MHZ)	5.0	10^7

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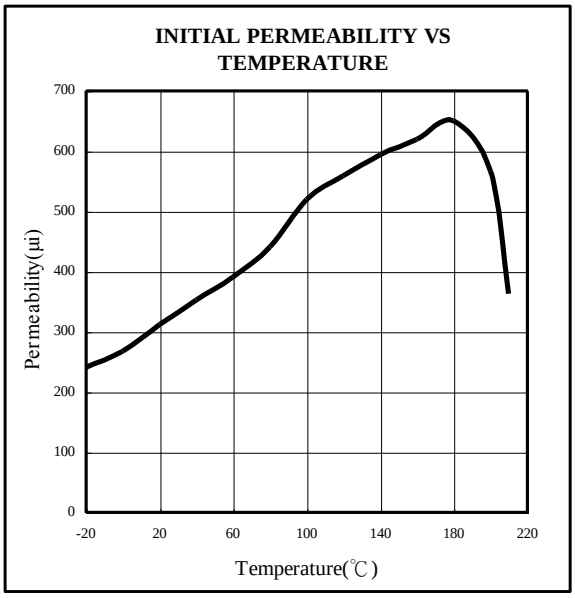
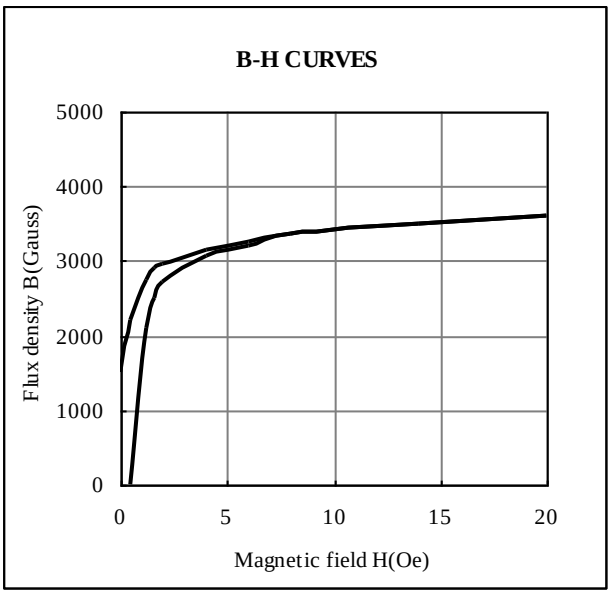
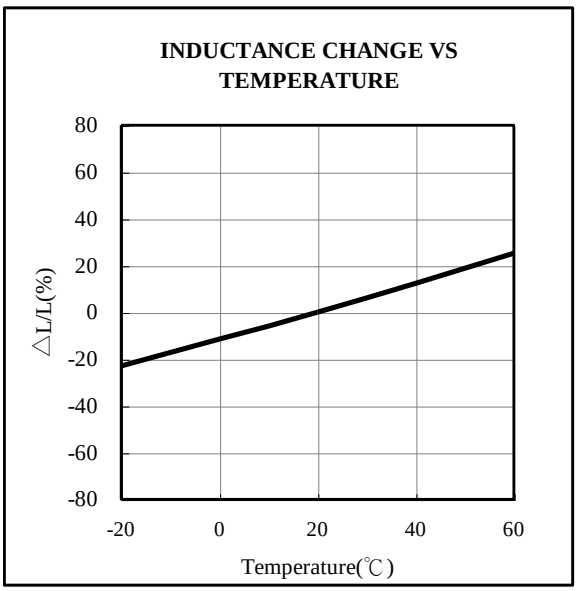
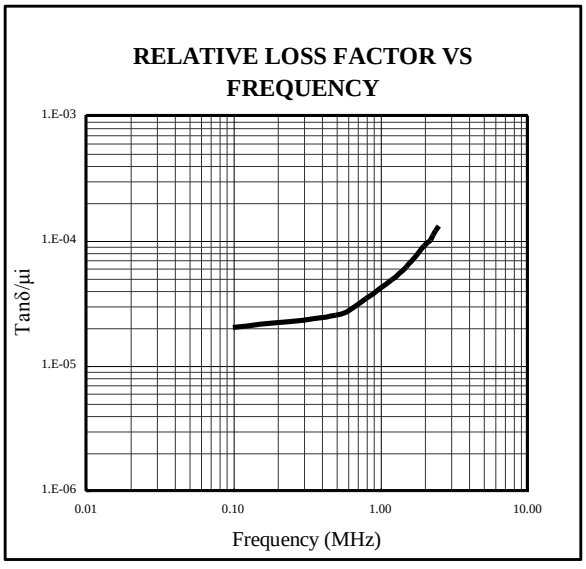
Material		E4D
μ i	unit	350
Working Frequency	MHz	0.1~2
Bm	Gauss	3600
Br	Gauss	1500
Hc	Oe	0.5
Tc	℃	200
α μ γ	x10^{-6}/℃	20
tan δ / μ i	x10^{-6}	20(0.1MHz) 90(2MHz)
d	g/cm^3	5.1
ρ	Ω ・cm	10^6









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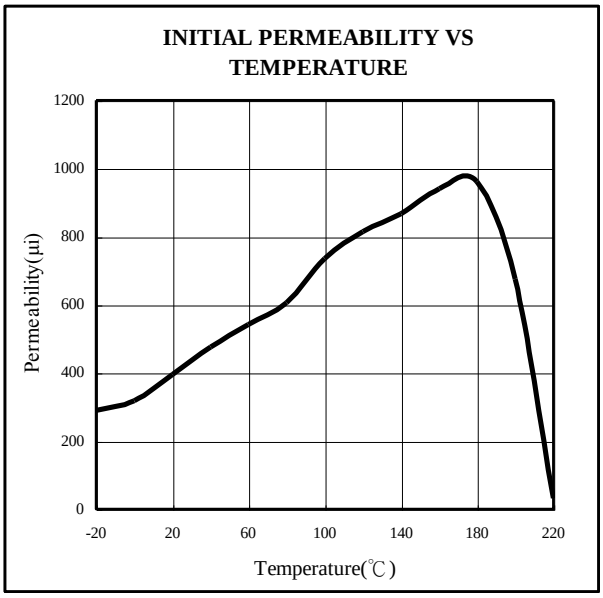
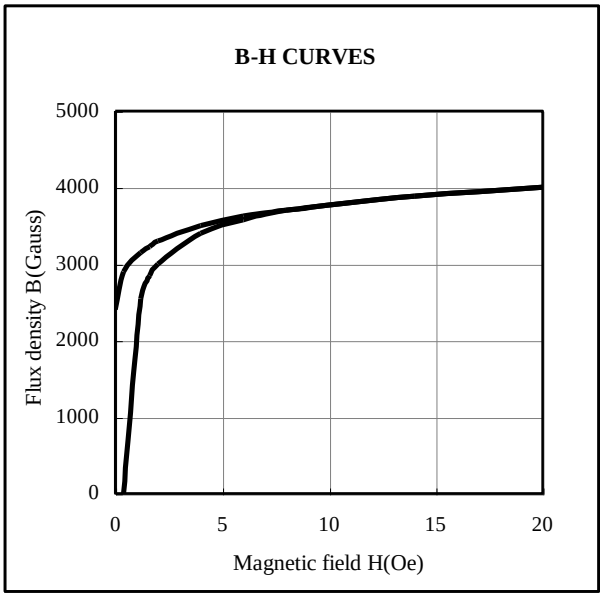
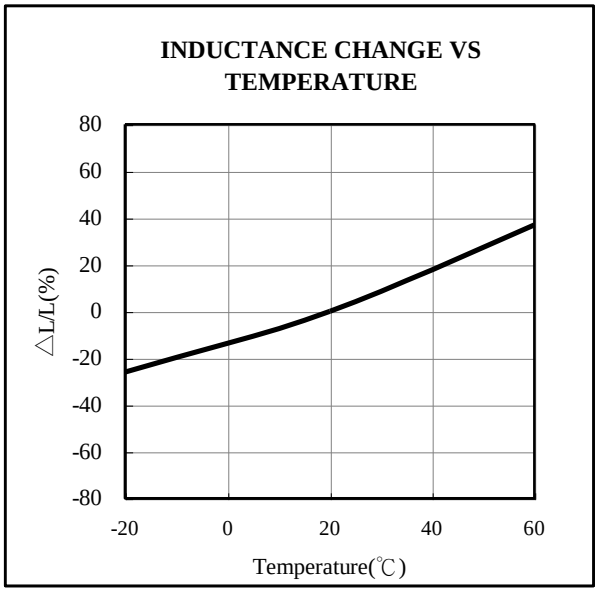
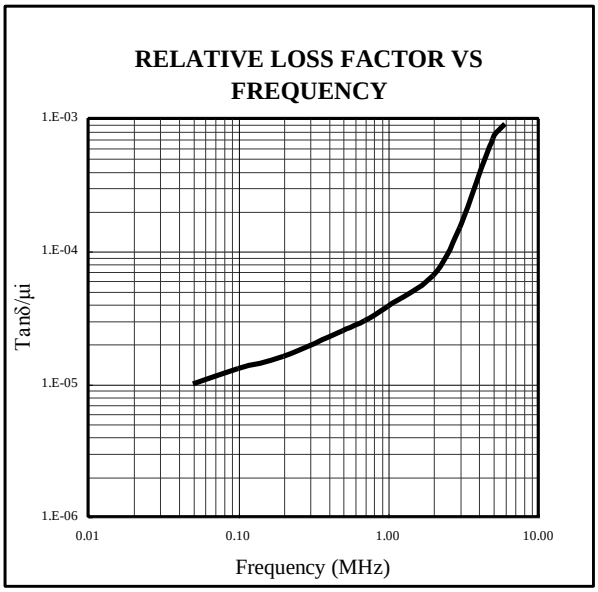
Material		E4G
μi	unit	400
Working Frequency	MHz	0.05~2
Bm	Gauss	4000
Br	Gauss	2400
Hc	Oe	0.4
Tc	℃	200
α μ γ	x10^{-6}/℃	25
tan δ / μi	x10^{-6}	10(0.05MHz) 65(2MHz)
d	g/cm^3	4.9
ρ	Ω・cm	10^6









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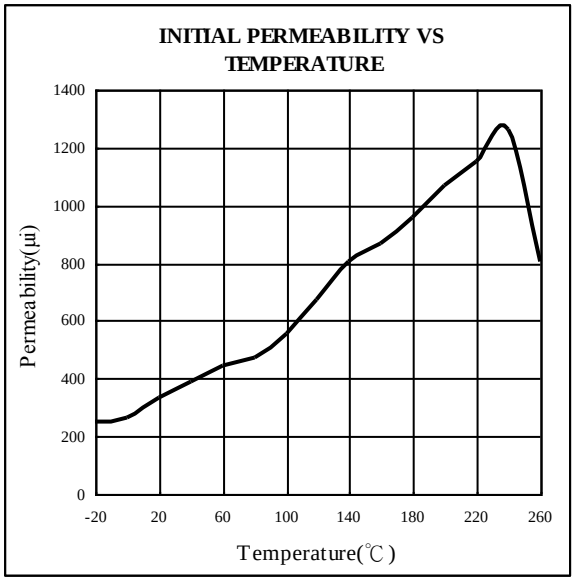
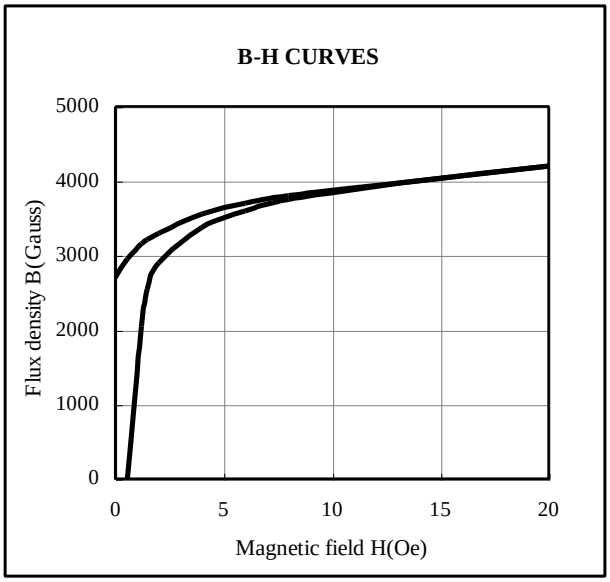
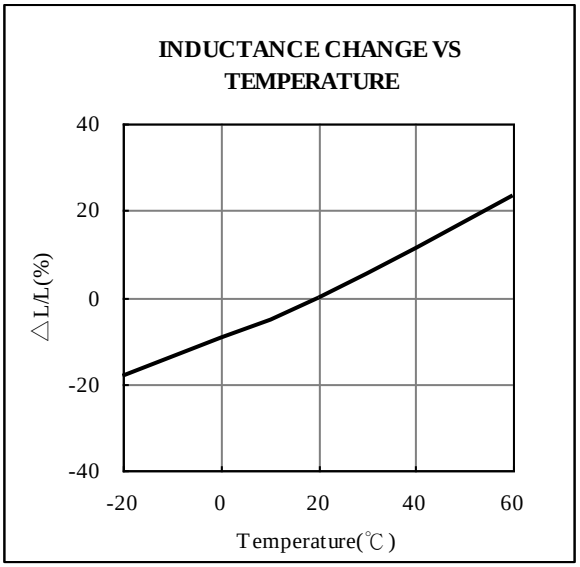
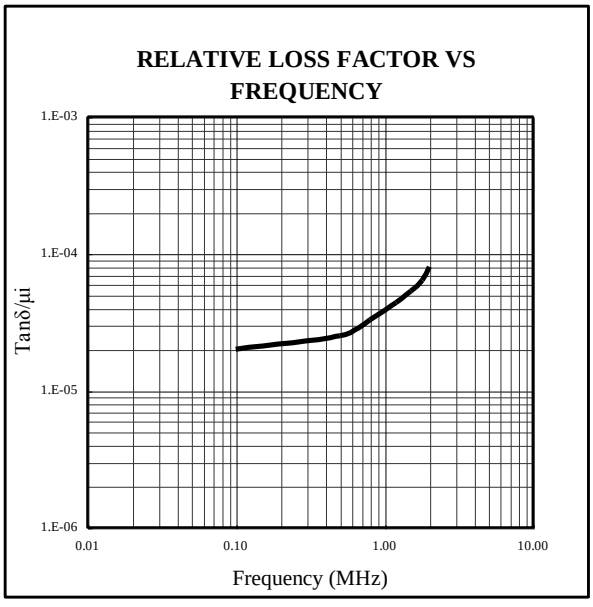
Material		E4S
μ i	unit	400
Working Frequency	MHz	0.1~2
Bm	Gauss	4200
Br	Gauss	2700
Hc	Oe	0.55
Tc	℃	240
α μ γ	x10^{-6}/℃	25
tan δ / μ i	x10^{-6}	20(0.1MHz) 80(2MHz)
d	g/cm^3	5.0
ρ	Ω ・cm	10^6









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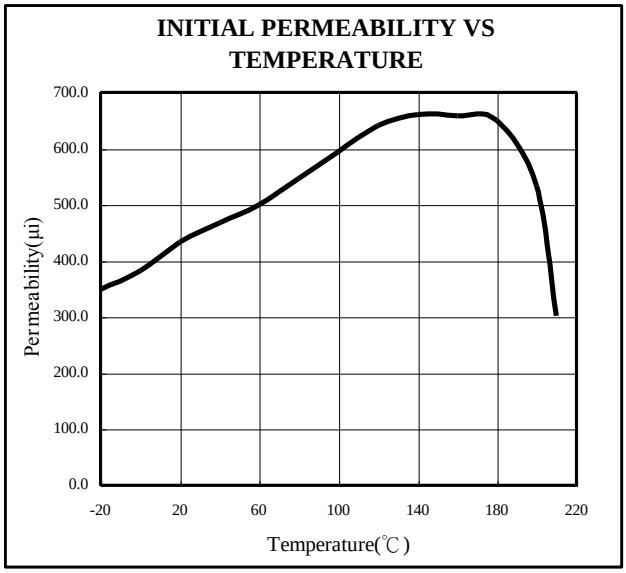
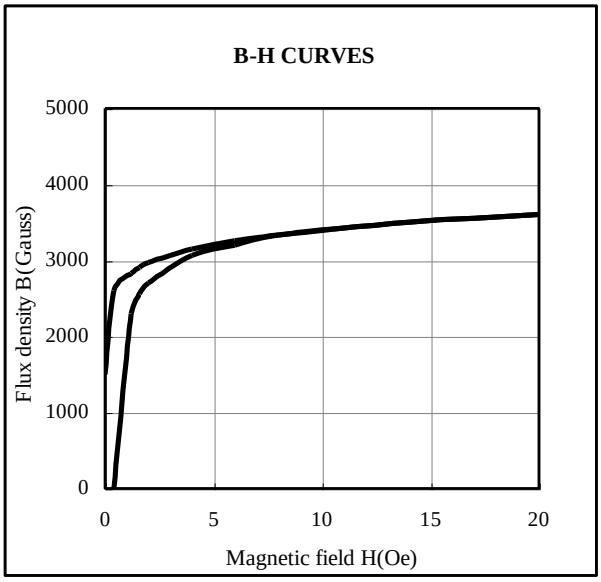
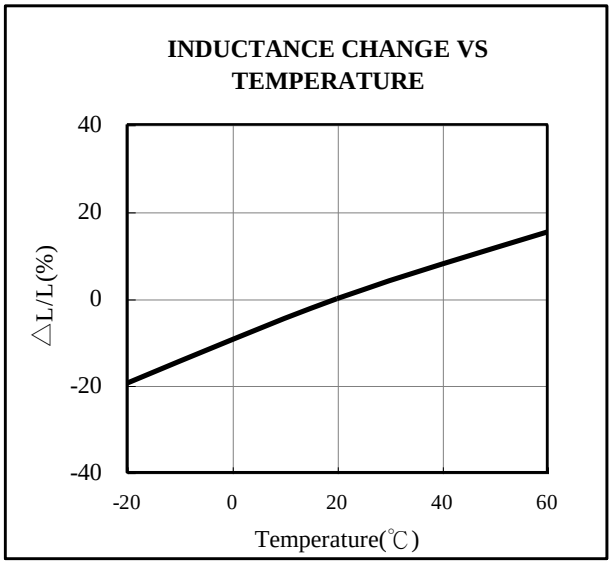
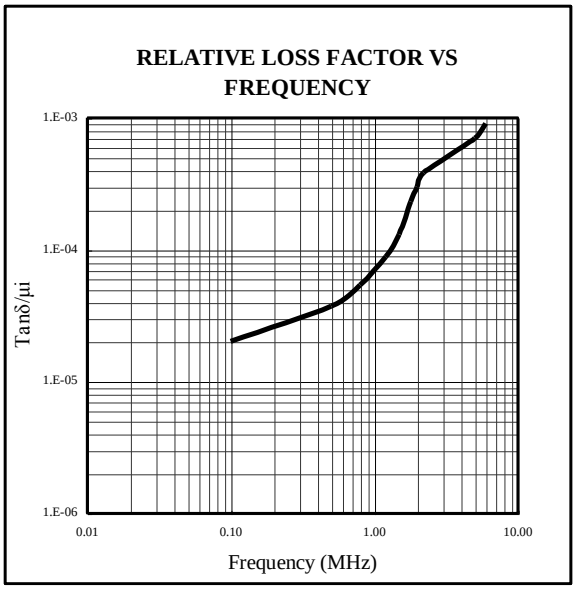
Material		E5D
μ i	unit	500
Working Frequency	MHz	0.1~1.5
Bm	Gauss	3600
Br	Gauss	1500
Hc	Oe	0.5
Tc	℃	200
α μ γ	x10^{-6}/℃	15
tan δ / μ i	x10^{-6}	20(0.1MHz) 130(1.5MHz)
d	g/cm^3	5.0
ρ	Ω ・cm	10^7









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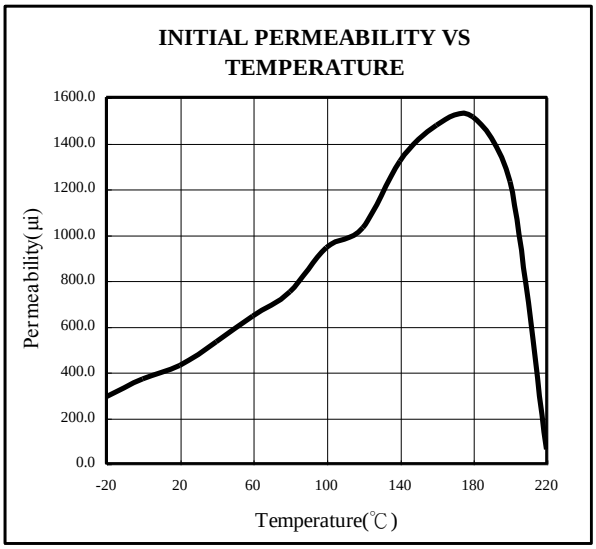
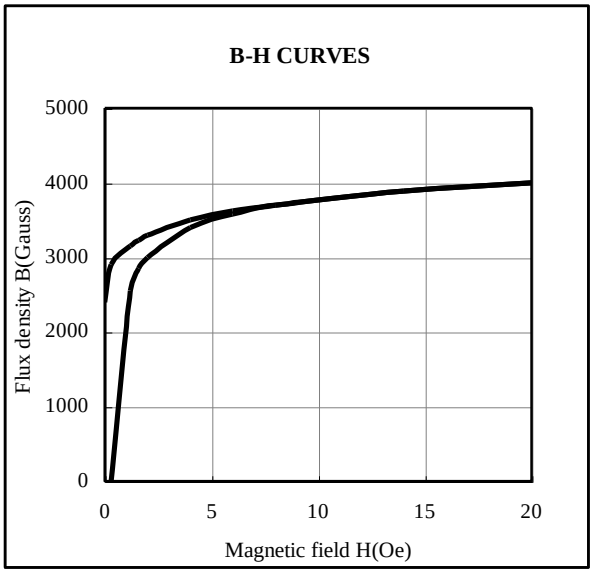
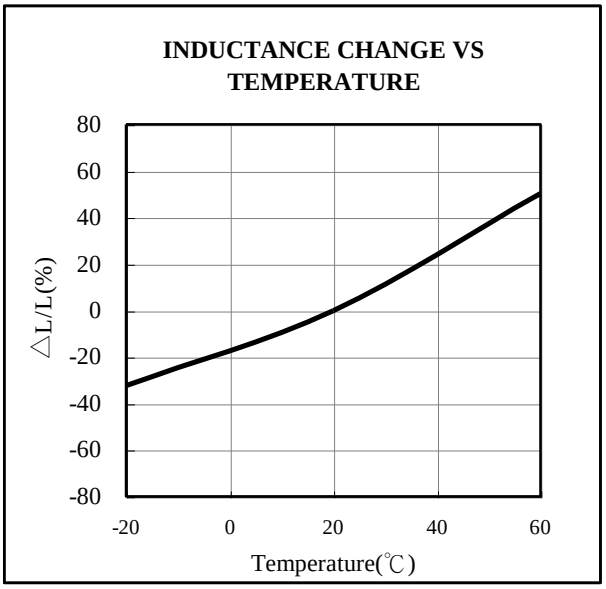
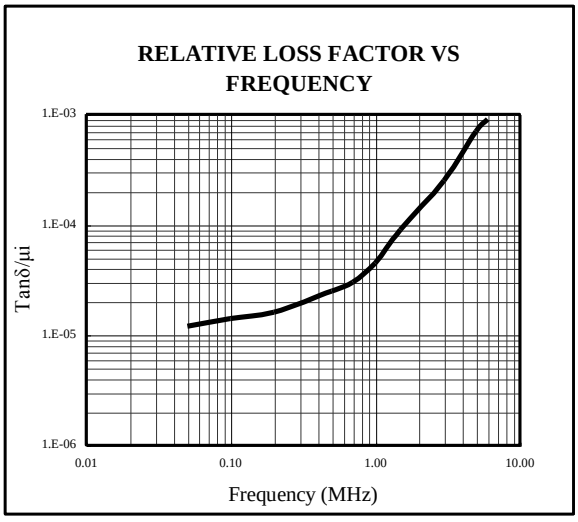
Material		E5G
μi	unit	700
Working Frequency	MHz	0.1~1.5
Bm	Gauss	4000
Br	Gauss	2400
Hc	Oe	0.3
Tc	℃	180
α μ γ	x10^{-6}/℃	20
tan δ / μi	x10^{-6}	14(0.1MHz) 90(1.5MHz)
d	g/cm^3	5.0
ρ	Ω・cm	10^7









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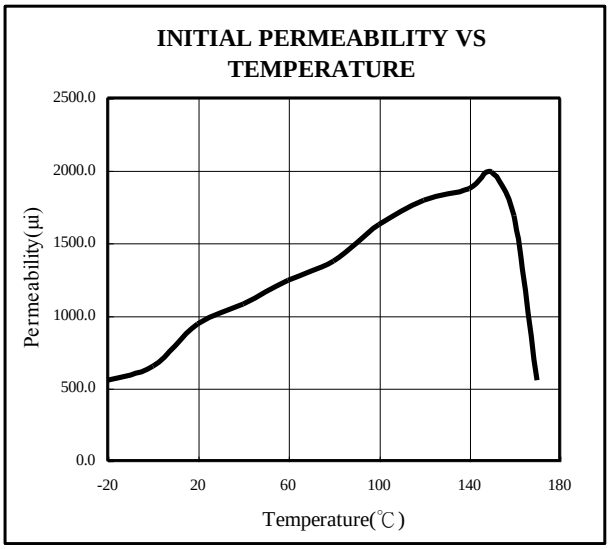
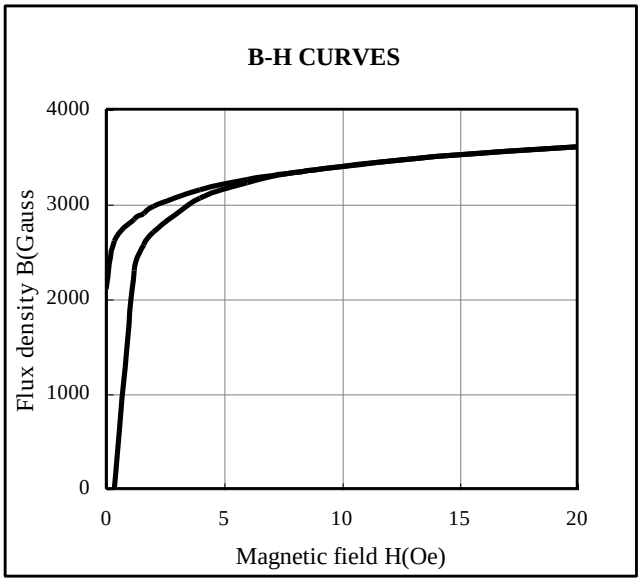
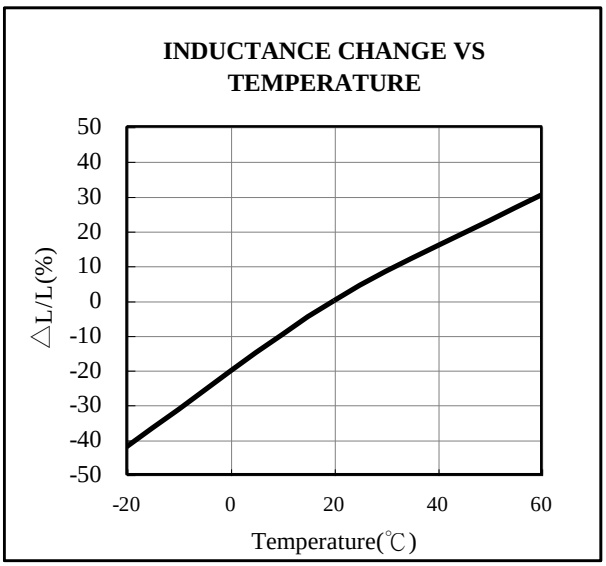
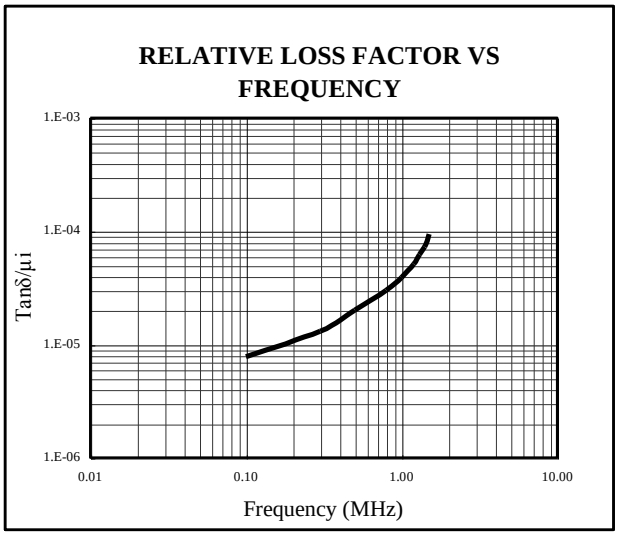
Material		E5H
μi	unit	900
Working Frequency	MHz	0.1~1.5
Bm	Gauss	3600
Br	Gauss	2100
Hc	Oe	0.35
Tc	℃	150
α μ γ	x10^{-6}/℃	10
tan δ / μi	x10^{-6}	10(0.1MHz) 95(1.5MHz)
d	g/cm^3	5.0
ρ	Ω・cm	10^7









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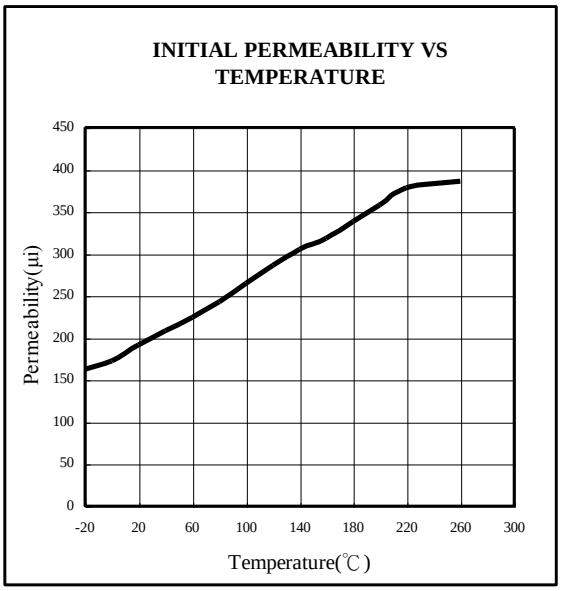
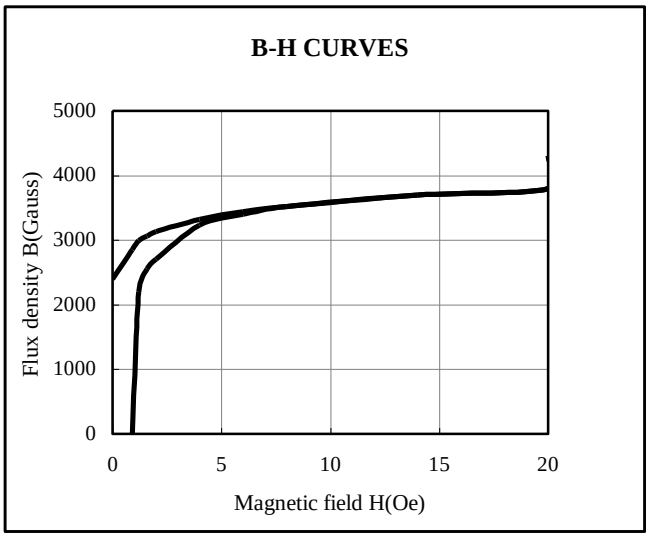
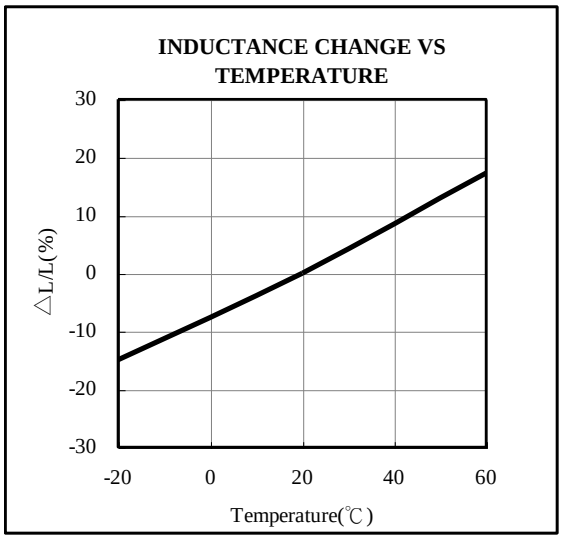
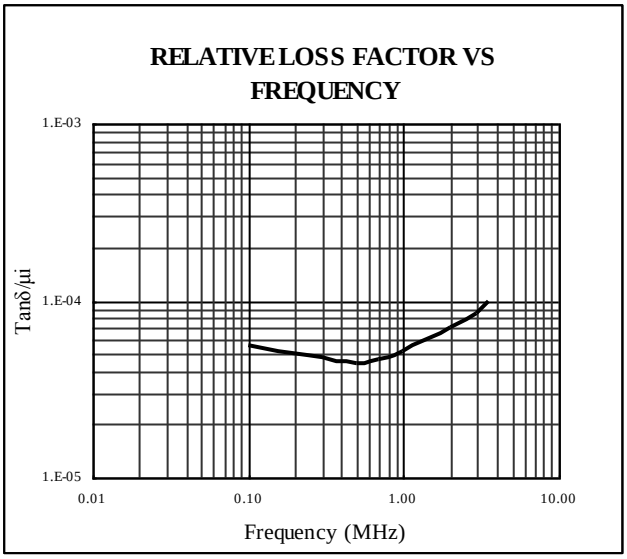
Material		E9D
μ i	unit	230
Working Frequency	MHz	0.1~3.5
Bm	Gauss	3800
Br	Gauss	2400
Hc	Oe	0.9
Tc	℃	300
α μ γ	x10^{-6}/℃	30
tan δ / μ i	x10^{-6}	50(0.1MHz) 100(3.5MHz)
d	g/cm^3	5.0
ρ	Ω ・cm	10^7









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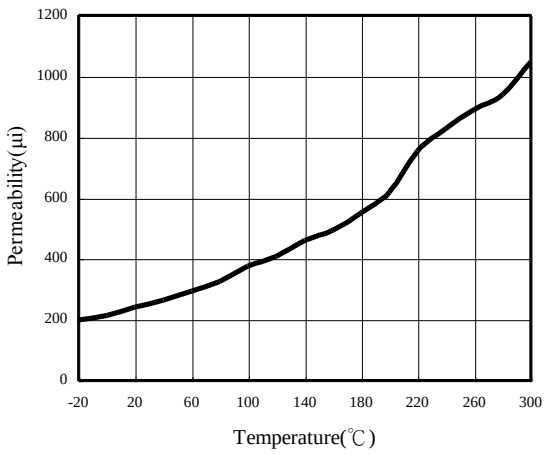
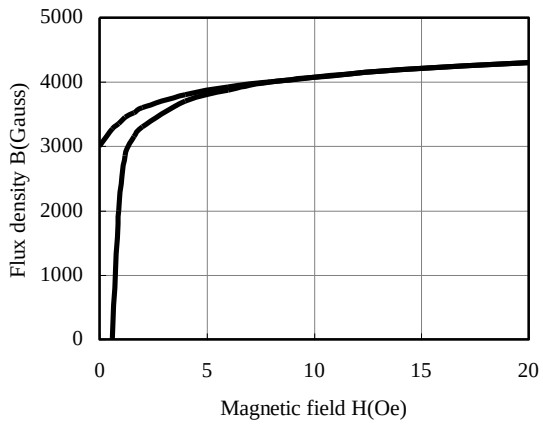
Material		E9H
μi	unit	250
Working Frequency	MHz	0.05~3
Bm	Gauss	4300
Br	Gauss	3000
Hc	Oe	0.6
Tc	℃	300
α μ γ	x10^{-6}/℃	30
tan δ / μi	x10^{-6}	35(0.05MHz) 70(3MHz)
d	g/cm^3	5.0
ρ	Ω ・cm	10^7

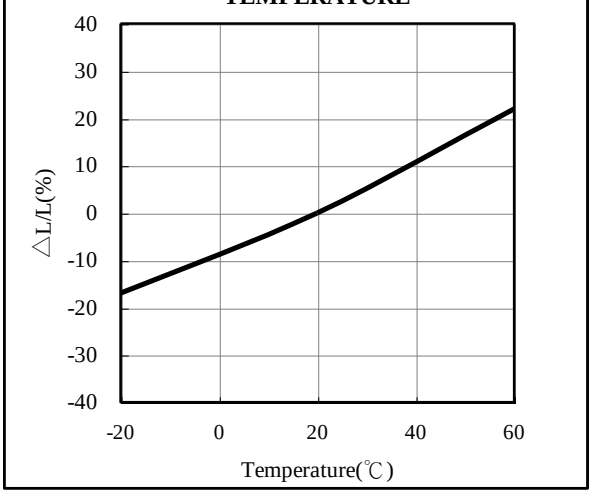
INITIAL PERMEABILITY VS TEMPERATURE



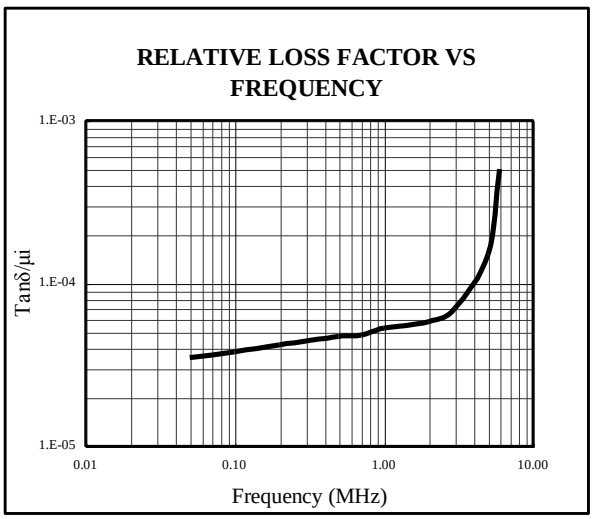
B-H CURVES



INDUCTANCE CHANGE VS TEMPERATURE



RELATIVE LOSS FACTOR VS FREQUENCY



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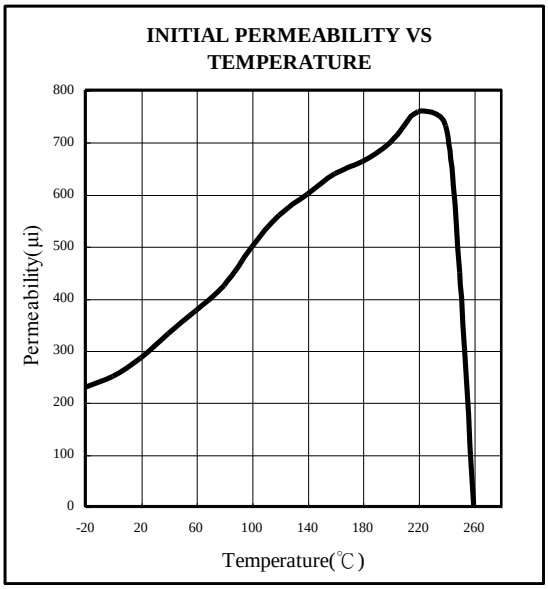
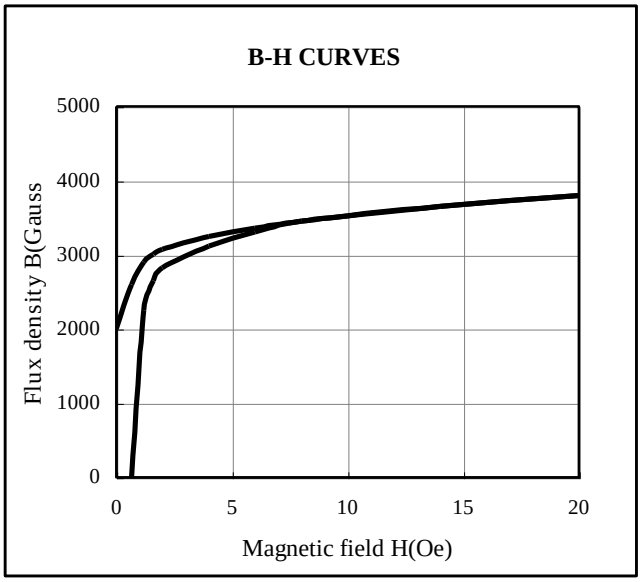
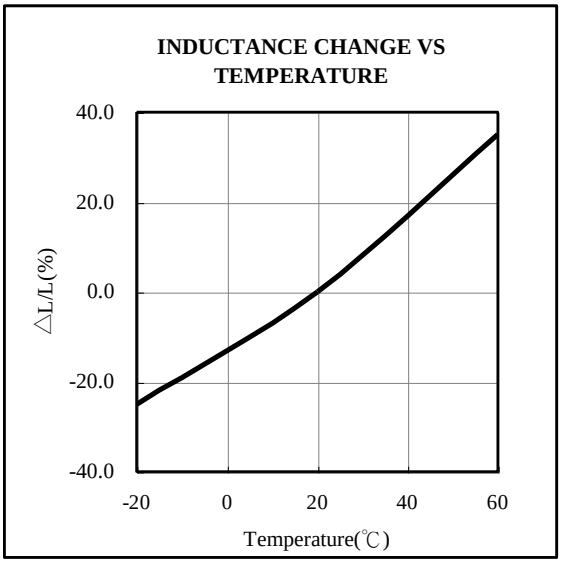
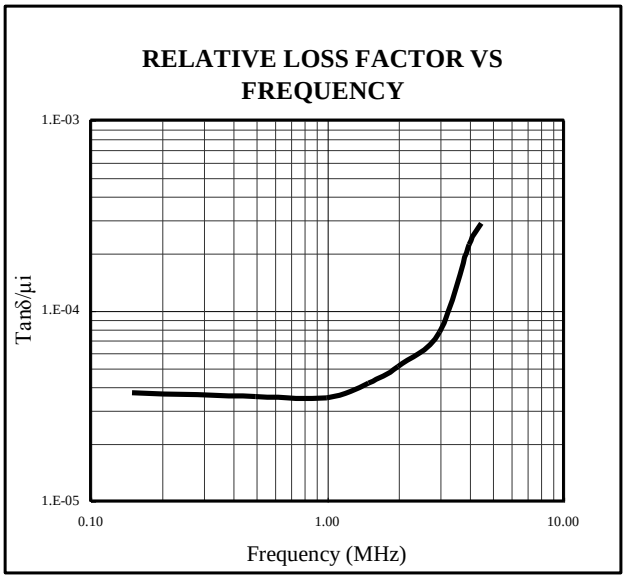
Material		E4DS
μ i	unit	380
Working Frequency	MHz	0.15~4
Bm	Gauss	3800
Br	Gauss	2000
Hc	Oe	0.65
Tc	℃	250
α μ γ	x10-6/℃	15
tan δ / μ i	x10-6	37(0.15MHz) 220(4MHz)
d	g/cm3	5.0
ρ	Ω ・cm	10^7









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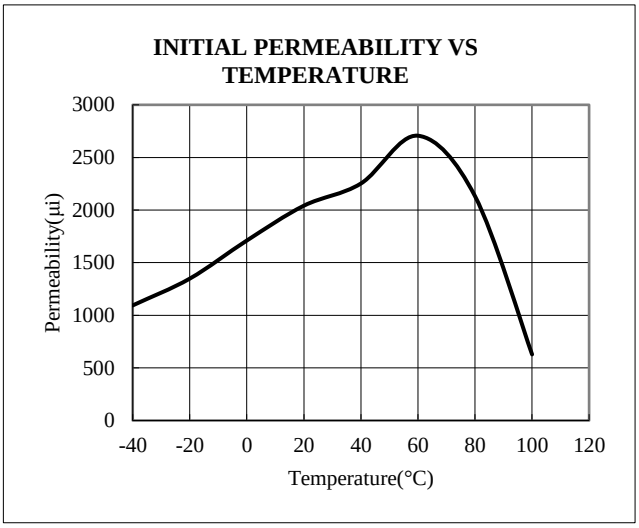
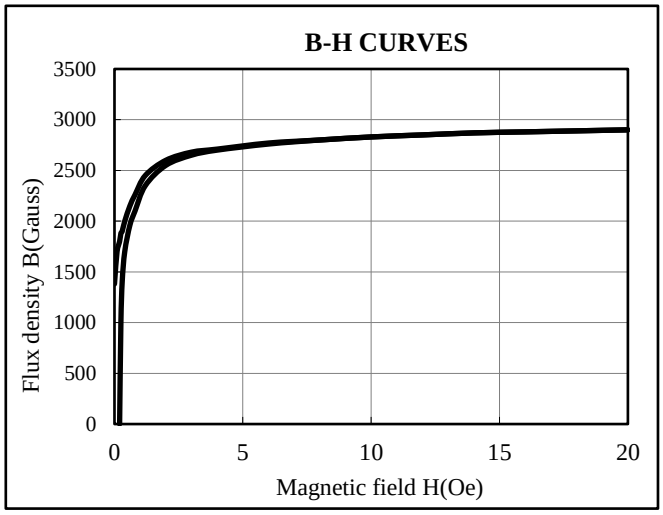
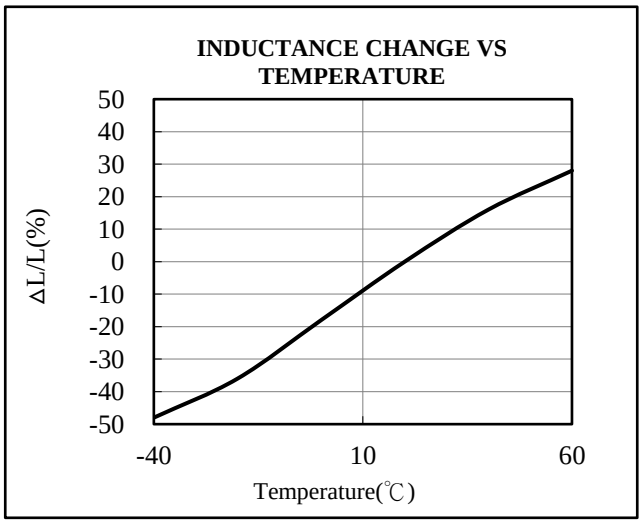
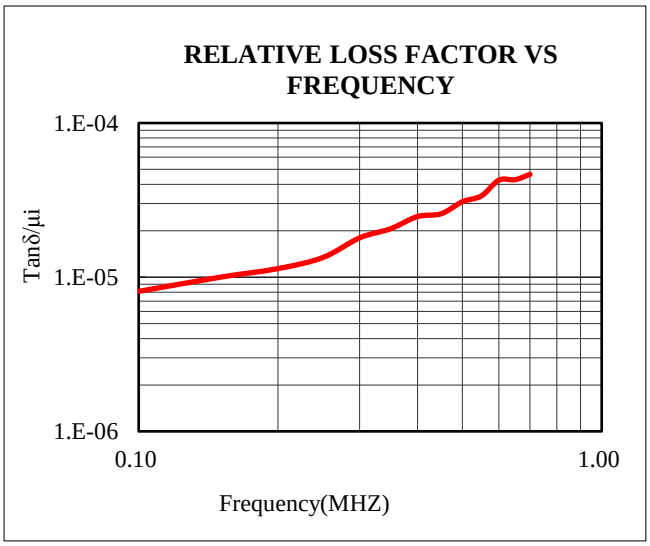
Material		E10H
μ i	unit	2000
Working Frequency	MHz	0.1~0.7
Bm (Hm=20 Oe)	Gauss	2900
Br	Gauss	1380
Hc	Oe	0.2
Tc	℃	100
α μ γ	x10^{-6}/℃	1.5
tan δ / μ i	x10^{-6}	10(0.1MHz) 50(0.7MHz)
d	g/cm3	5
ρ	Ω ・cm	10^{6}









PROPERTIES OF Mn-Zn FERRITE MATERIAL (LEAD FREE)

Property / Meterial	μi	Working Frequency	Bm	Br	Hc	Tc	α μ γ	Tan δ / μi	d	ρ
		MHZ	Gauss	Gauss	Oe	℃	x10^{-6} / ℃	x10^{-6}	g /cm^{3}	Ω㎝
J1M	700	<2.0	3800	3000	0.30	170	20	160	4.7	200
J1L	850	<1.5	3800	3000	0.40	170	15	110	4.8	200
JF3	1200	<1.0	5000	2950	0.6	290	5	8	4.8	1000
JF35	1400	<1.0	5000	2000	0.60	260	5	8	4.8	1000
J2M	2000	<0.5	5100	1300	0.12	220	6	8	4.9	600
J2K	2100	<0.4	5200	1400	0.2	260	4	6	4.8	200
JP40	2300	<0.4	5000	1200	0.12	210	8	5	4.8	500
JP44	2500	<0.4	5200	1750	0.18	220	6	5	4.8	600
J2	2800	<0.4	5100	1400	0.15	200	4	10	4.8	300
J2H	3000	<0.3	5400	1300	0.15	240	1.5	10	4.9	100
JP95	3000	<0.4	5200	1050	0.16	220	3	8	4.8	700
J3M	3500	<0.2	4600	1350	0.18	180	1.5	8	4.8	30
J3H	4000	<0.15	4600	1600	0.18	160	1.5	15	4.8	20
J4	4500	<0.1	4000	1250	0.08	120	1.5	15	4.8	20
J55	4500	<0.1	5000	1250	0.08	150	1.5	20	4.9	15
J5	5500	<0.1	4000	1250	0.08	110	1.5	20	4.9	15
J6	6000	<0.1	4200	1250	0.08	110	1	20	4.9	15
J7	7500	<0.1	4000	1250	0.07	110	0.6	25	4.9	10
J9	8500	<0.1	3900	1100	0.06	110	0.5	25	4.9	10
J10	10000	<0.05	4300	1950	0.10	120	0.1	40	4.8	10

Core Loss

Material				JF35	JF3	JP95	JP44	JP40	J2	J2M
Pcv(kw/m^{3})	200mT	25KHz	25℃				100	120	140	135
			60℃				68	80	120	100
			100℃				*48	70	170	120
			120℃				85	85		
		100KHz	25℃			450	600	630	750	780
			60℃			370	410	500	650	620
			100℃			*330	*320	430	950	750
			120℃			400	540	510		
	50mT	500KHz	25℃	150	238					
			60℃	85	142					
			80℃	80	155					
			100℃	100	190					
	25mT	1MHz	25℃		120					
			60℃		115					
			80℃		155					
			100℃		180					

* TEST TEMPERATURE 90℃

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MATERIAL CROSS REFERENCE LIST (Mn-Zn) March. 2016

YTE	TDK	FERROXCUBE	EPCOS	ACME	FDK	NICERA	HITACHI	TOKIN	TOMITA	FAIR-RITE	DMEGC	TDG
JP40	PC40	3C90	N67	P4	6H20	NC-2H	ML24D	BH2	2G8	78	DMR40	TP4
JP44	PC44	3C94/3C96	N87/N97	P41	6H40	2HM5	ML25D	BH1			DMR44	TP4A
JP45	PC45	3C91			6H41		ML30D					TP4B
JP46	PC46		N51									TP4C
****	PC47											TP4D
JP95	PC95	3C95	N95	P46/P47	6H42	3H	ML33D		2N2		DMR95	TP4W
JF3		3F3		P5		2M			2H8	79	DMR50B	
JF35	PC50	3F35	N49	P51	7H10	5M	ML12D	B40			DMR50	TP5
****		3F4			7H20							
J1M	H6F	3D3								33		
J1L		3B1	M33						2H6			
J2M	H6K	3H3	N27							77		
	H3T		N48									
J2	H3S	3B7	N41		2H03	NC-1L				73		
	H7C1	3C81										
J3M	H5A	3E1							2H5			
	H7B											
J3H		3S1	T57			NC-4Y					DMR4KDC	
J4	HP4	3E4	N30		2H04							
J5	H5B		T65	A05		NC-5Y	MQ53D	5H	2G4	75	DMR5K	TS5
	HP5		T35									
J6		3E25	T37		2H06							
J7	H5B2	3E26	T36	A7	2H07	NC-7	MP70D	7H	2G1		DMR7K	TS7
J10	H5C2	3E5	T38	A10	2H10	NC-10H	MP10T	10H	2H2A	76	DMR10K	TS10

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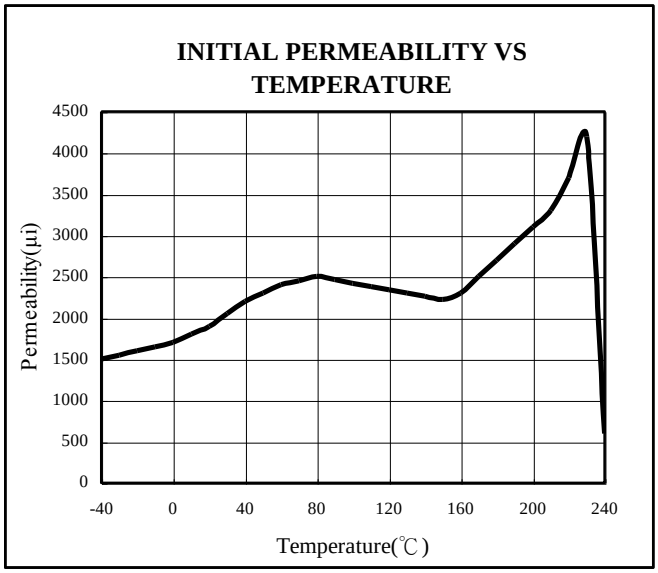
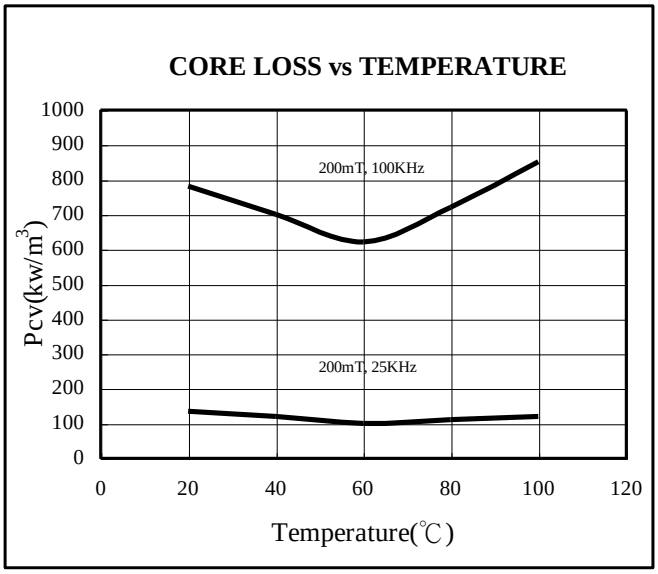
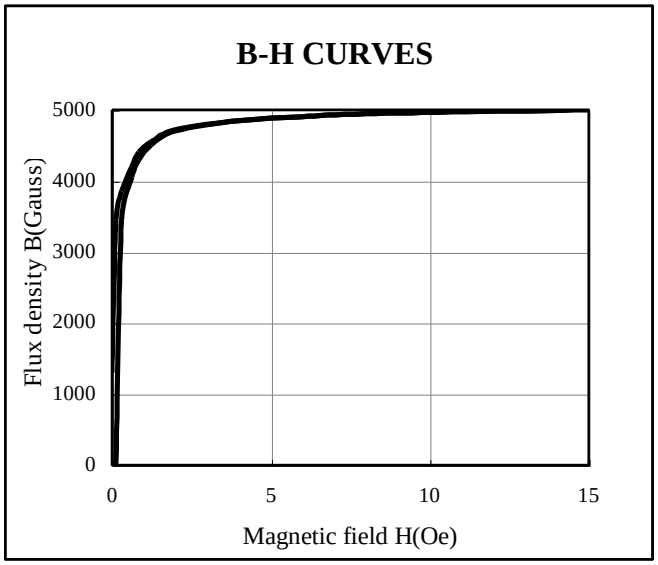
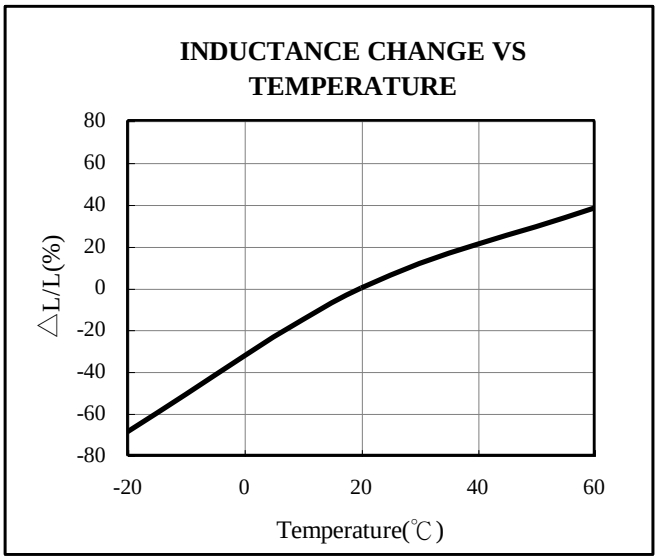
Material		J2M
μi	unit	2000
Working Frequency	MHz	<0.5
Bm	Gauss	5100
Br	Gauss	1300
Hc	Oe	0.12
Tc	℃	220
α μ γ	x10^{-6}/℃	6
tan δ / μi	x10^{-6}	8
d	g/cm^3	4.8
ρ	Ω・cm	600









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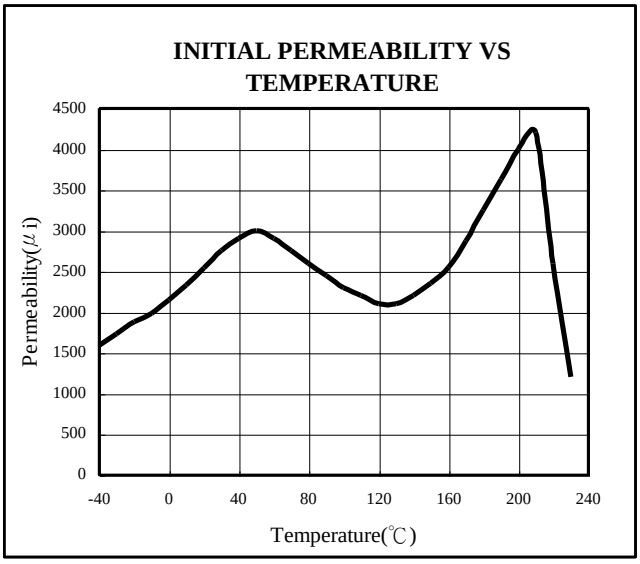
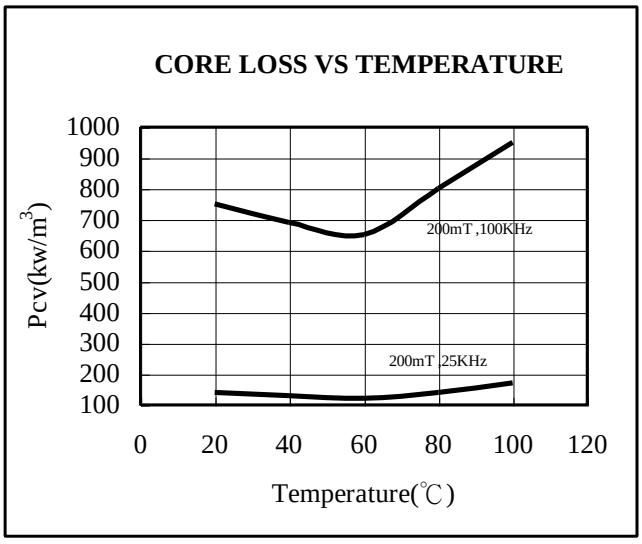
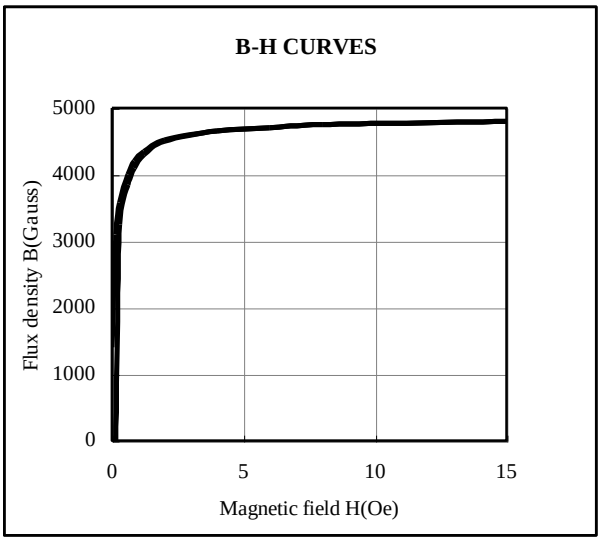
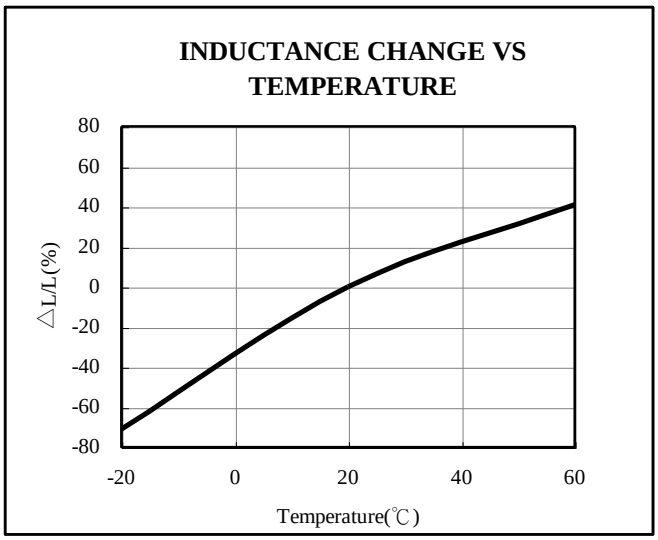
Material		J2
μ i	unit	2800
Working Frequency	MHz	<0.4
Bm	Gauss	5100
Br	Gauss	1400
Hc	Oe	0.15
Tc	℃	200
α μ γ	x10^{-6}/℃	4
tan δ / μ i	x10^{-6}	10
d	g/cm^3	4.8
ρ	Ω · cm	300









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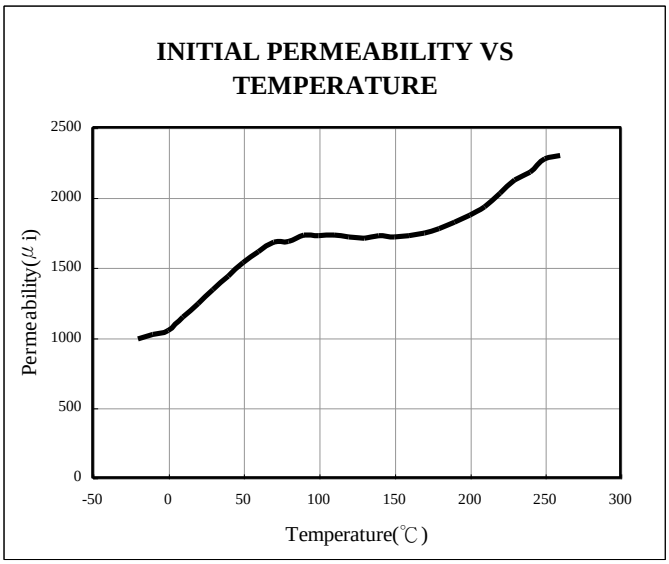
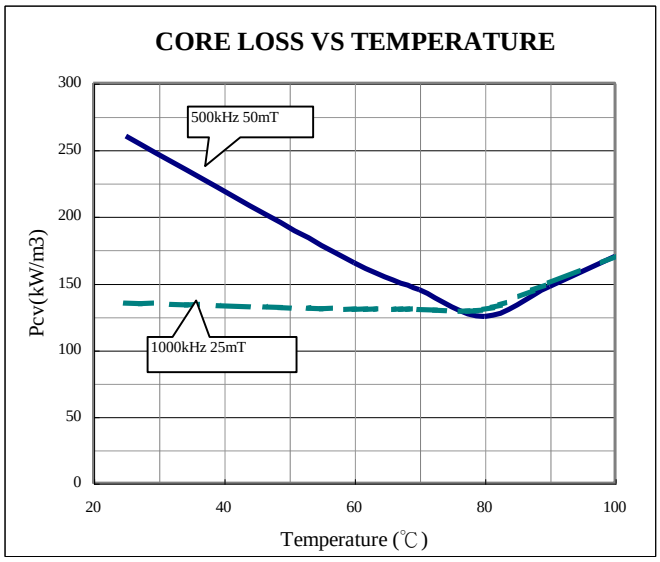
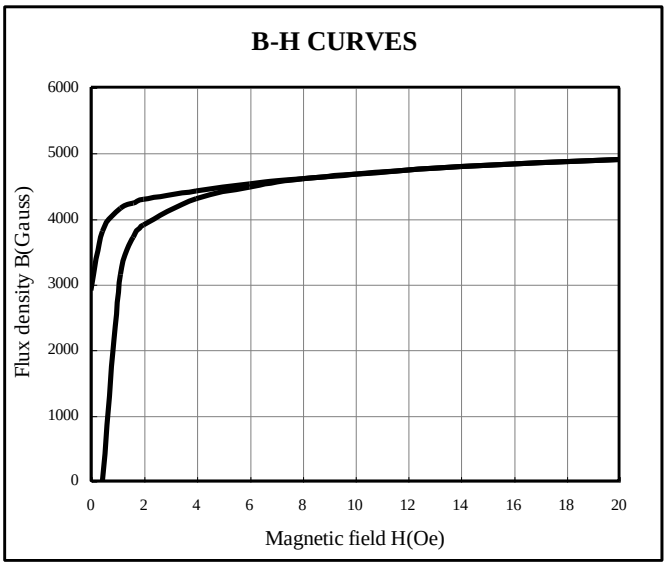
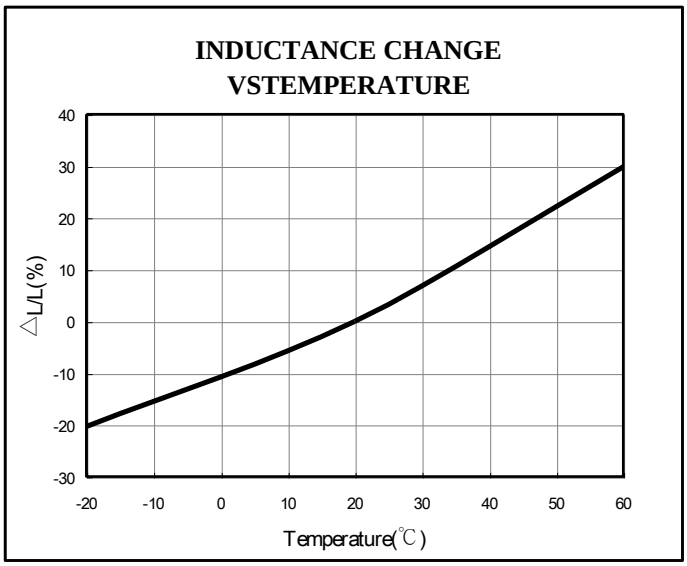
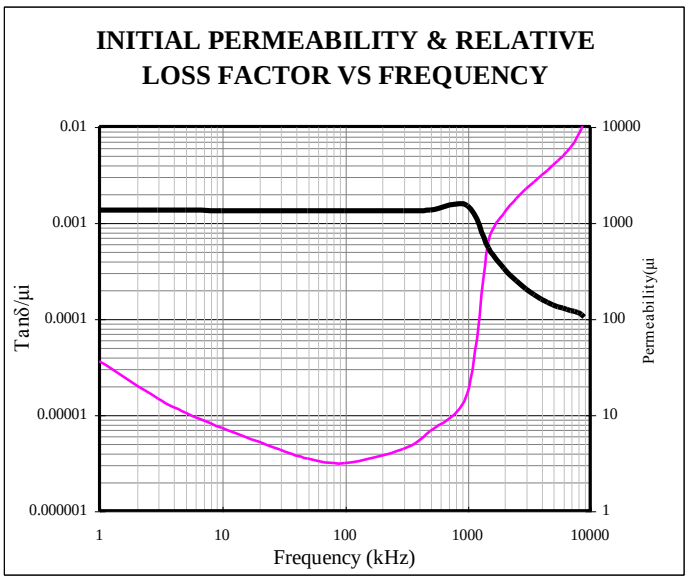
Material		JF3
μi	unit	1200
Working Frequency	MHz	<1.0
Bm	Gauss	5000
Br	Gauss	2950
Hc	Oe	0.6
Tc	℃	290
α μ γ	x10^{-6}/℃	5
tan δ / μi	x10^{-6}	8
d	g/cm^3	4.8
ρ	Ω・cm	1000











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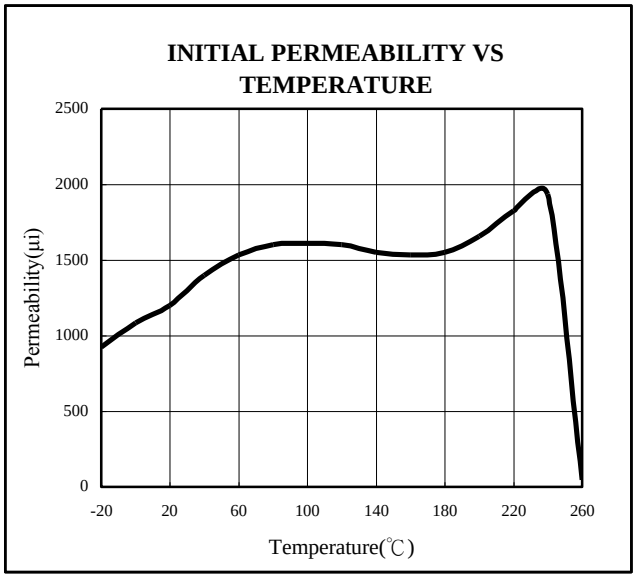
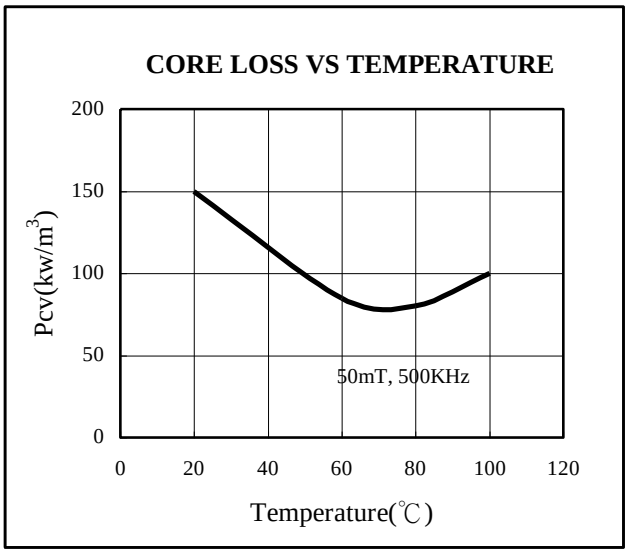
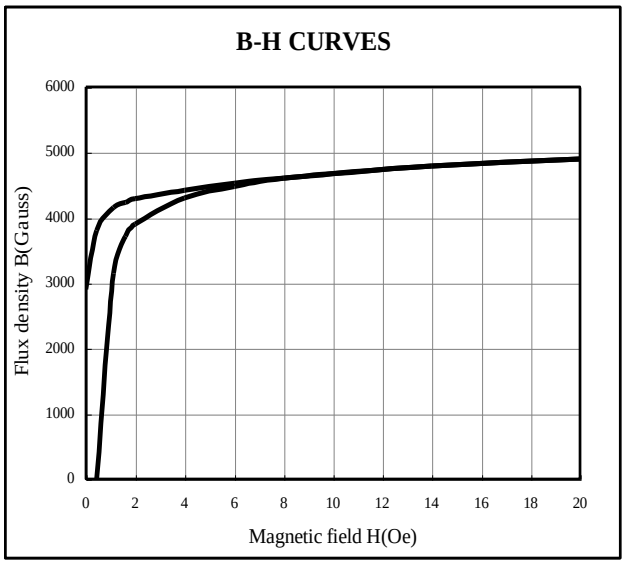
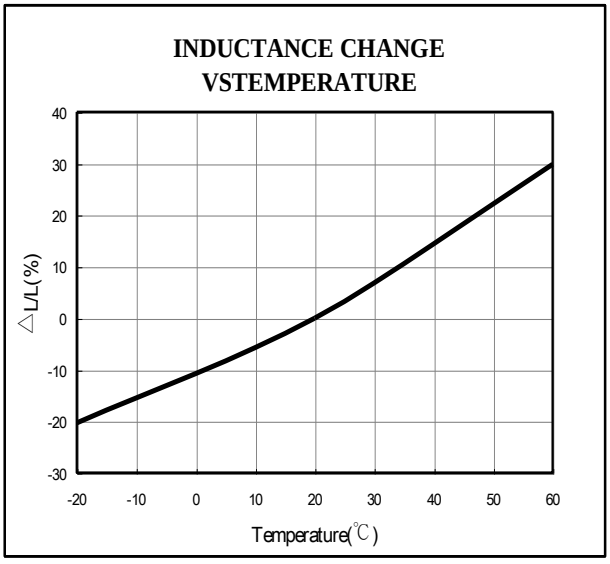
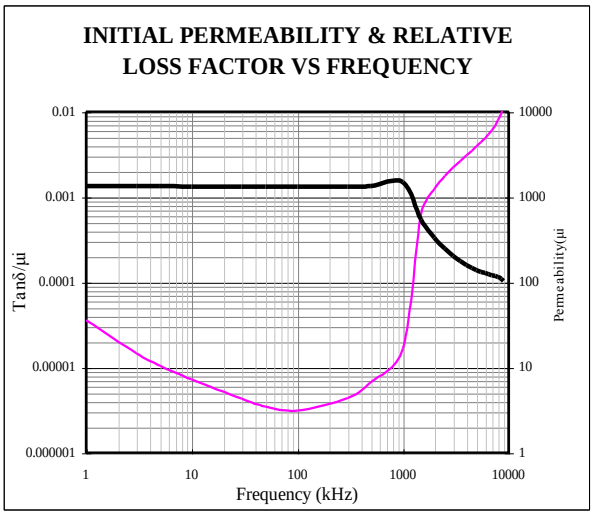
Material		JF35
μi	unit	1400
Working Frequency	MHz	<1.0
Bm	Gauss	5000
Br	Gauss	2800
Hc	Oe	0.6
Tc	℃	260
α μ γ	x10^{-6}/℃	5
tan δ / μi	x10^{-6}	8
d	g/cm^3	4.8
ρ	Ω・cm	1000











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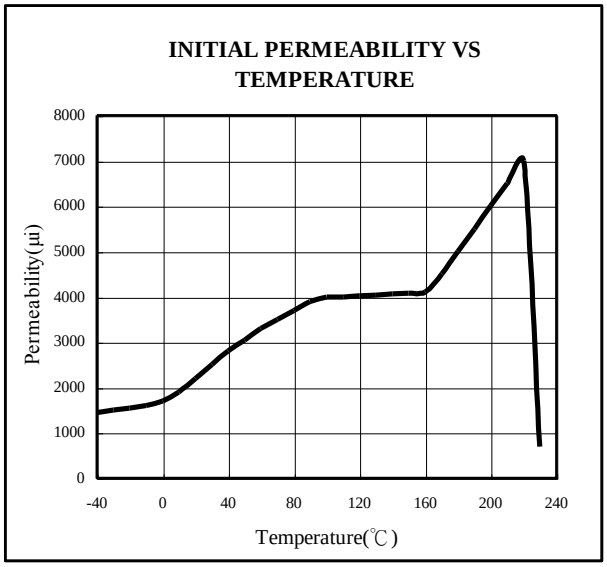
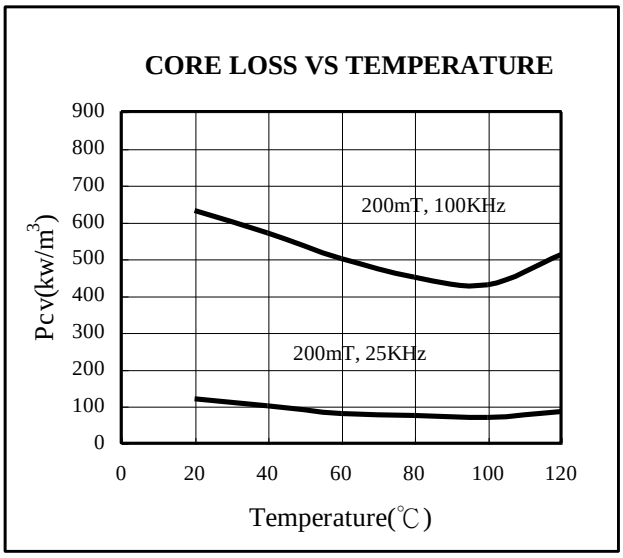
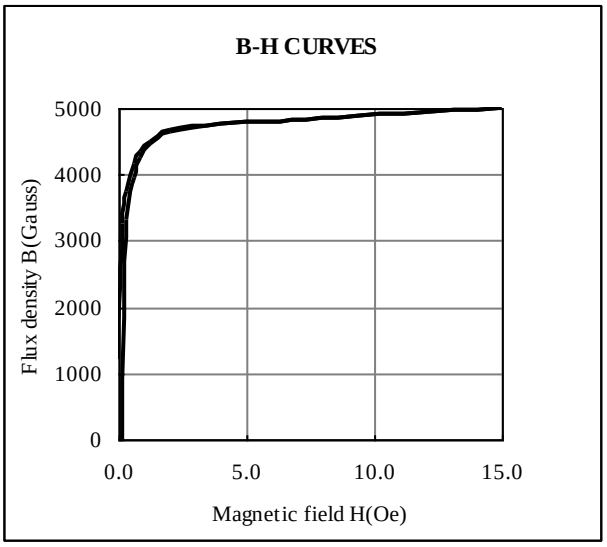
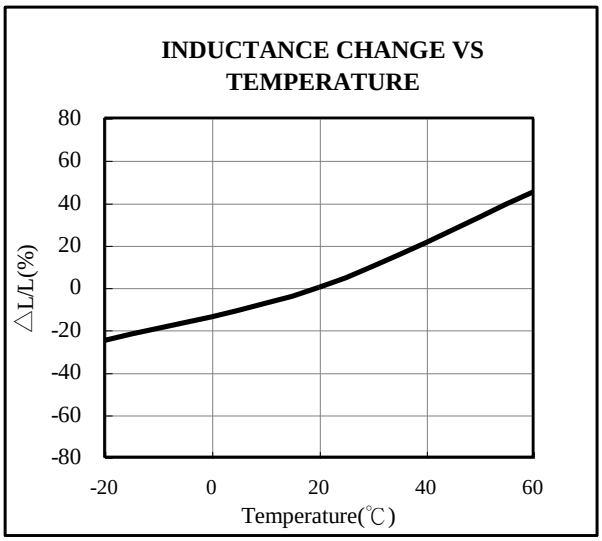
Material		JP40
μi	unit	2300
Working Frequency	MHz	<0.4
Bm	Gauss	5000
Br	Gauss	1200
Hc	Oe	0.12
Tc	℃	210
α μ γ	x10^{-6}/℃	8
tan δ / μi	x10^{-6}	5
d	g/cm^3	4.8
ρ	Ω・cm	500









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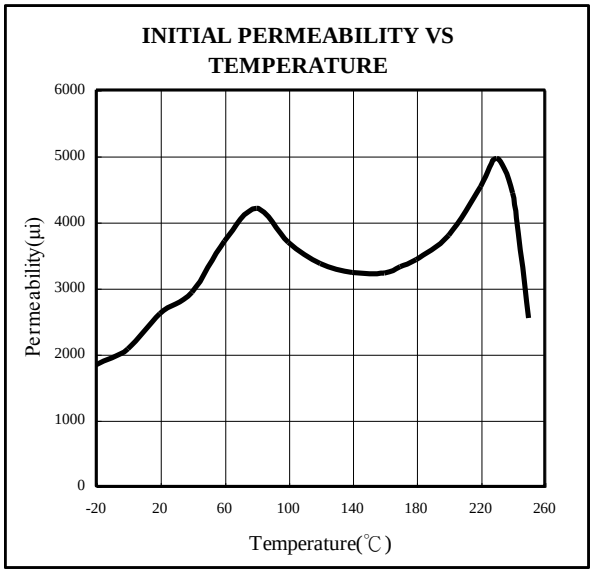
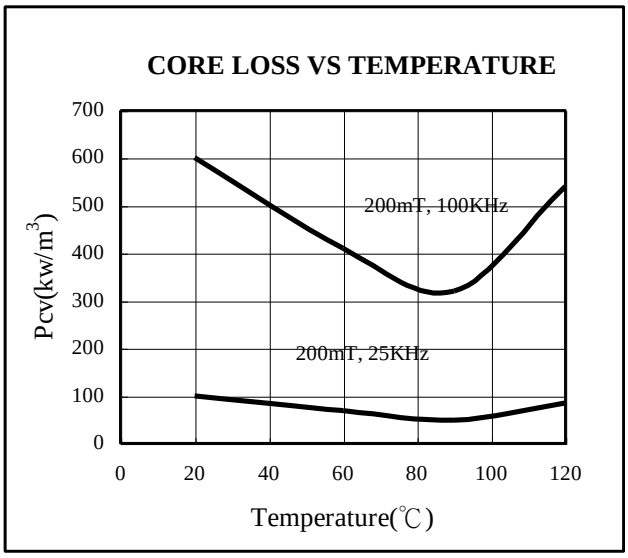
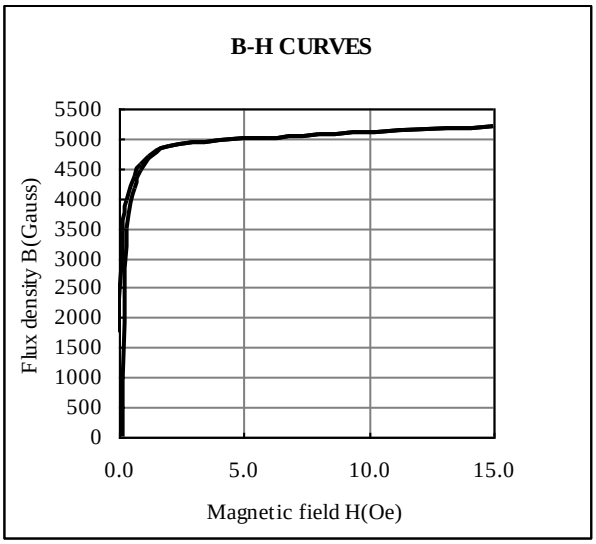
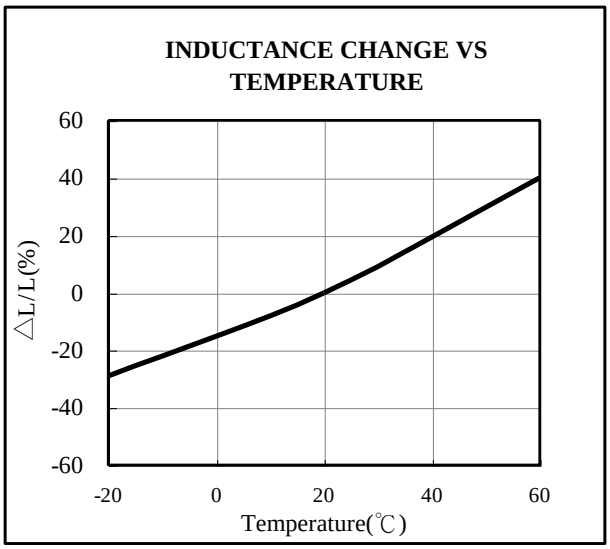
Material		JP44
μi	unit	2500
Working Frequency	MHz	<0.4
Bm	Gauss	5200
Br	Gauss	1750
Hc	Oe	0.18
Tc	℃	220
$\alpha\ \mu\ \gamma$	$x10^{-6}$/℃	6
$\tan\delta / \mu i$	$x10^{-6}$	5
d	g/cm^3	4.8
ρ	Ω・cm	600







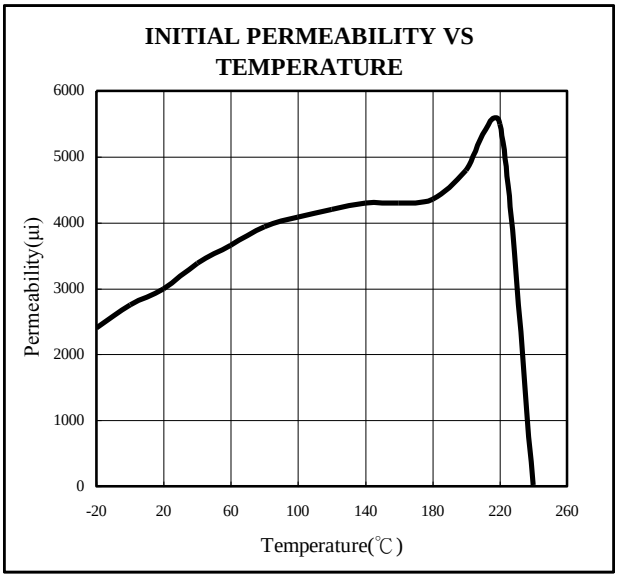


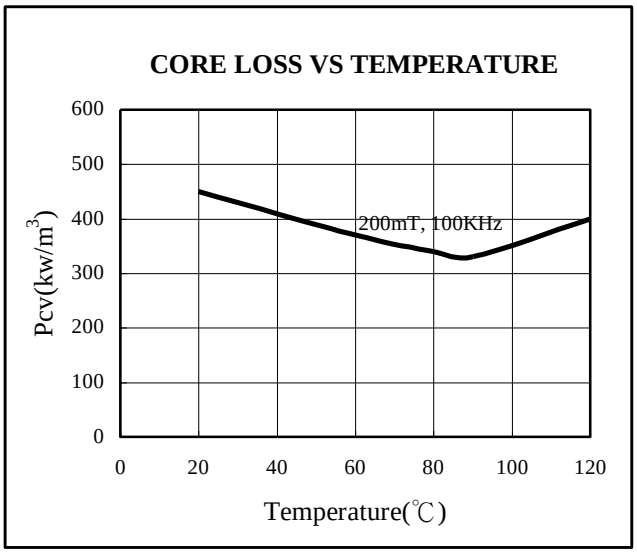
YENG TAT ELECTRONICS CO., LTD

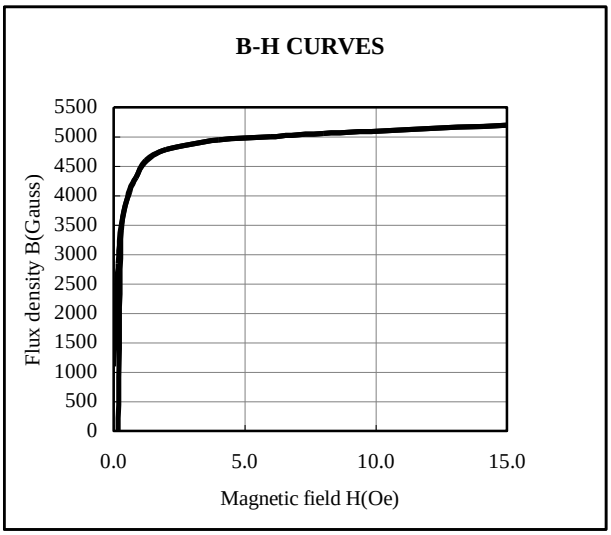
No.25, Gongxing St., Shu-lin Dist., New Taipei City 238, Taiwan http://www.yeng-tat.com

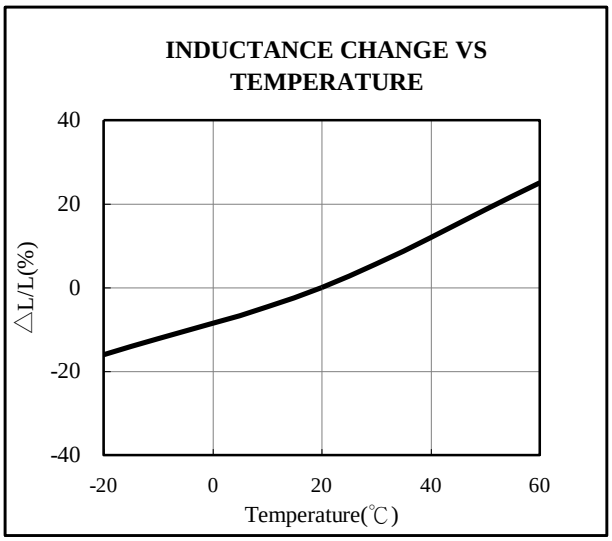
Fax:+886-2-2689-4843 Tel:+886-2-2689-1473 e-mail:sales@yeng-tat.com

Material		JP95
μi	unit	3000
Working Frequency	MHz	<0.4
Bm	Gauss	5200
Br	Gauss	1050
Hc	Oe	0.16
Tc	℃	220
α μ γ	x10^{-6}/℃	3
tan δ / μi	x10^{-6}	8
d	g/cm^3	4.8
ρ	Ω・cm	700



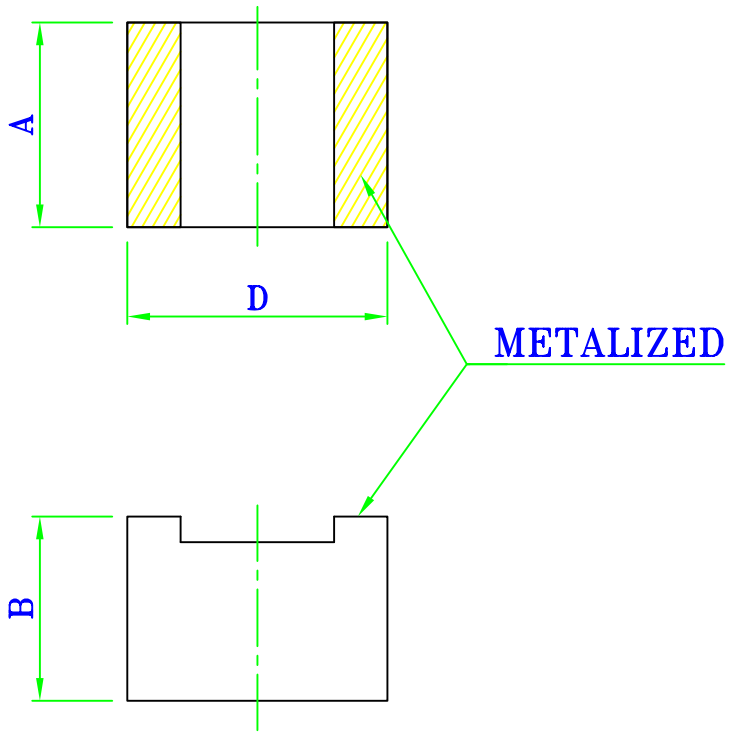






MI

SHAPES



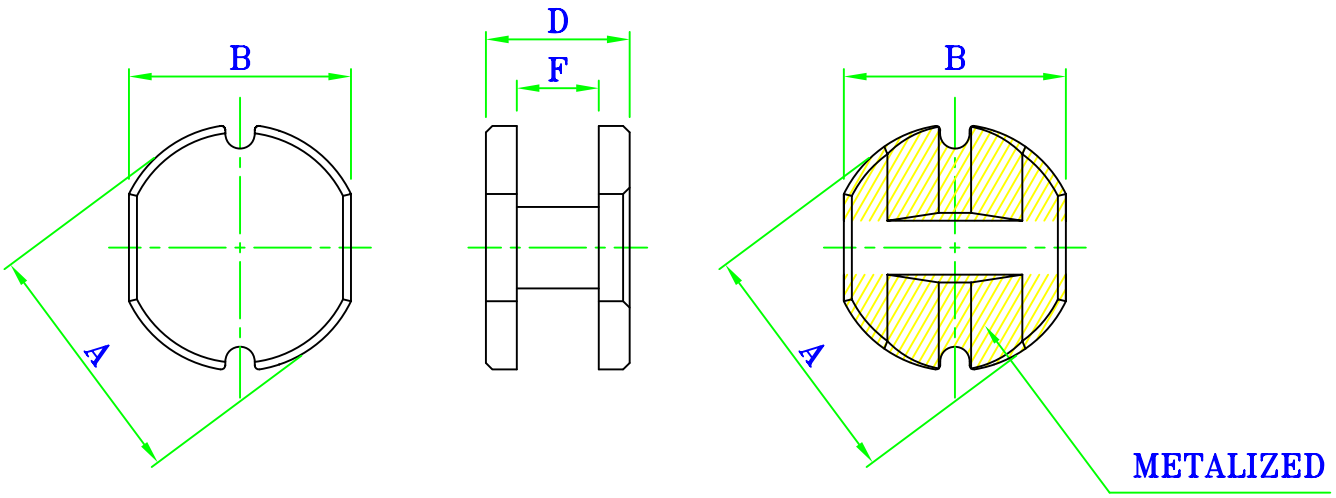
MATERIAL: Ni-Zn: N9

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	D
MI 1.27×1.27×2	1.27±0.05	1.27±0.05	2.0±0.05
MI 2×1.8×2.54	2.0±0.1	1.8±0.1	2.54±0.2

MDR (METALIZED DRUM CORE)

SHAPES



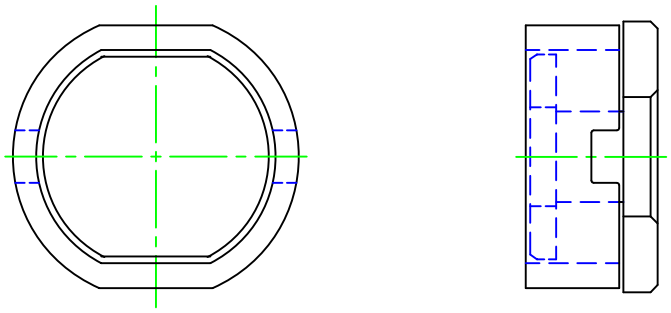
MATERAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit: mm)

ITEM	A	B	D	F
MDR 3.5×1.1 R	3.5±0.15	3±0.15	1.1±0.1	0.3±0.1
MDR 3.5×2.2 R	3.5±0.15	3±0.15	2.2±0.1	1.1±0.1
MDR 4.5×3.2 R	4.5±0.1	4±0.1	3.2±0.15	1.3±0.15
MDR 5.8×4.5 R	5.8±0.1	5.2±0.1	4.5±0.15	2.4±0.15
MDR 7.8×3.5 R	7.8±0.15	7±0.15	3.5±0.15	1.5±0.15
MDR 7.8×5 R	7.8±0.15	7±0.15	5±0.15	2.6±0.15
MDR 10×4 R	10±0.15	9±0.15	4±0.15	1.5±0.15
MDR 10×5.4 R	10±0.15	9±0.15	5.4±0.15	2.6±0.15

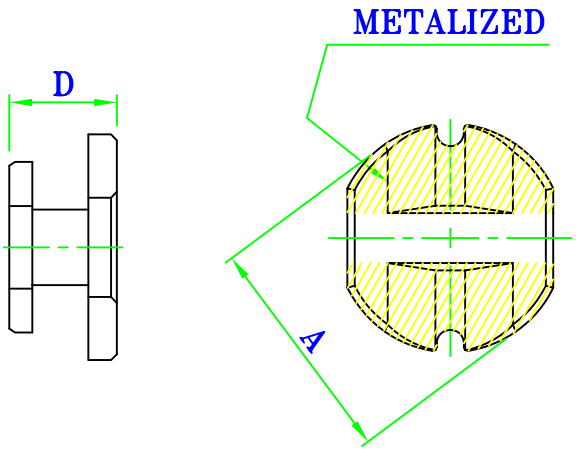
* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MDRI (MDR with RI)

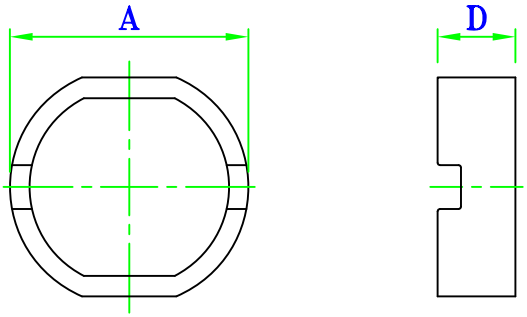


SHAPES

MDR



RI



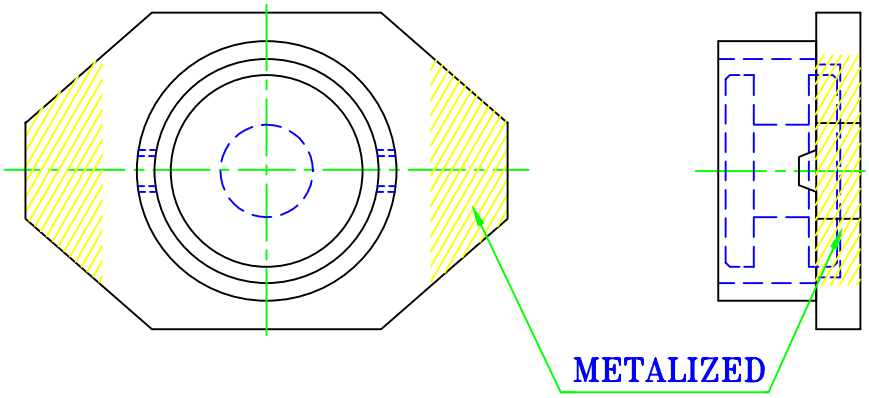
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MDRI 7.8×4.5 2RTd-3	MDR 7.8×4.5 Rd-3	7.8±0.15	4.5±0.15
	RI 7.8×3.1×6.3 2T	7.8±0.15	3.1±0.1
MDRI 10×5 2RTd-3	MDR 10×5 Rd-3	10±0.15	5±0.15
	RI 9.8×3.2×8.2 2T	9.8±0.15	3.2±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

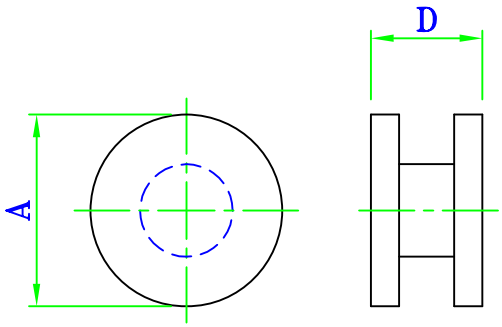
MLDRI (DR with RI with MLD)

Patent NO.:ZL02230364.2

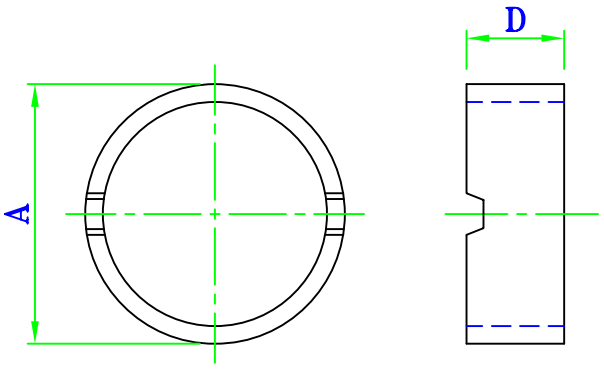


SHAPES

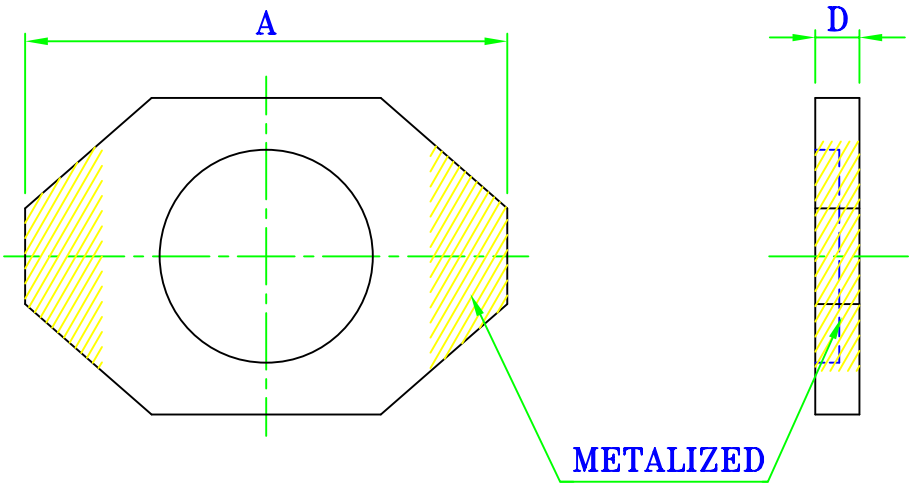
DR



RI



MLD



DIMENSIONS OF MAIN PRODUCTS (unit:mm)

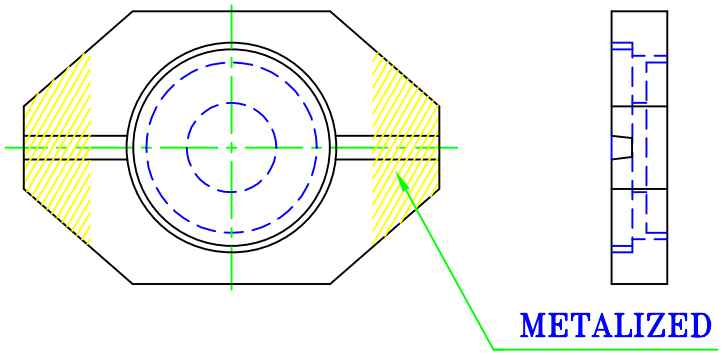
ITEM		A	D
MLDRI 6.4×4.2×1.6	J2 DR 2.85×1.35	2.85±0.1	1.35±0.1
	J2 RI 3.85×1.15×3.05 T	3.85±0.1	1.15±0.1
	E9H MLD 6.4×4.2×0.5	6.4±0.1	0.5±0.07

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

YENG TAT ELECTRONICS CO.,LTD.

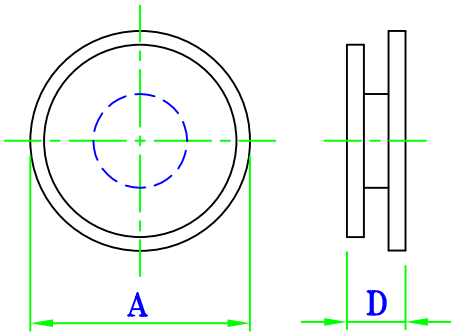
MLIDR(DR with MLI)

Patent NO.:ZL02230365.0

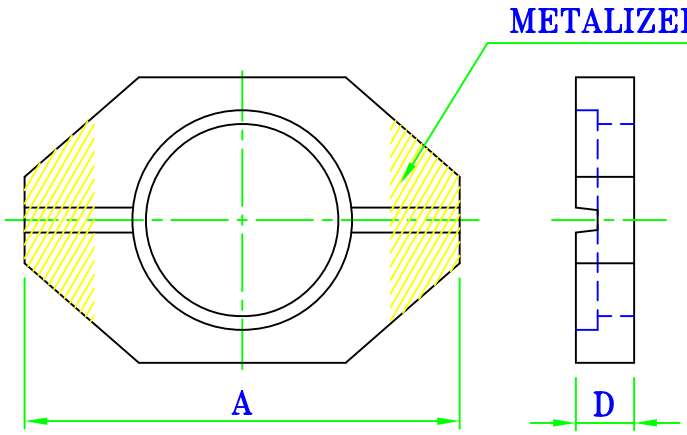


SHAPES

DR



MLI



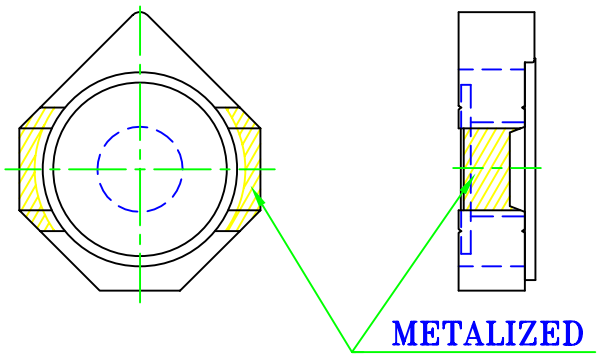
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MLIDR 5.5×4.2×0.85^{T}	J2 DR 3.5×0.85^{d-3}	3.5±0.1	0.85±0.1
	E9H MLRI 5.5×4.2×0.85^{T}	5.5±0.1	0.85±0.1
MLIDR 5.5×4.2×1.3^{T}	J2 DR 3.5×1.3^{d-3}	3.5±0.1	1.3±0.1
	E9H MLRI 5.5×4.2×1.3^{T}	5.5±0.1	1.3±0.1
MLIDR 6.4×4.2×0.9^{T}	J2 DR 3.05×0.9^{d-3}	3.05±0.1	0.9±0.1
	E9H MLRI 6.4×4.2×0.9^{T}	6.4±0.1	0.9±0.1
MLIDR 6.4×4.2×1.3^{T}	J2 DR 3.05×1.3^{d-3}	3.05±0.1	1.3±0.1
	E9H MLRI 6.4×4.2×1.3^{T}	6.4±0.1	1.3±0.1
MLIDR 6.4×4.2×1.7^{T}	J2 DR 3.05×1.7^{d-3}	3.05±0.1	1.7±0.1
	E9H MLRI 6.4×4.2×1.7^{T}	6.4±0.1	1.7±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR LDRI's UPON CUSTOMER'S DEMAND.

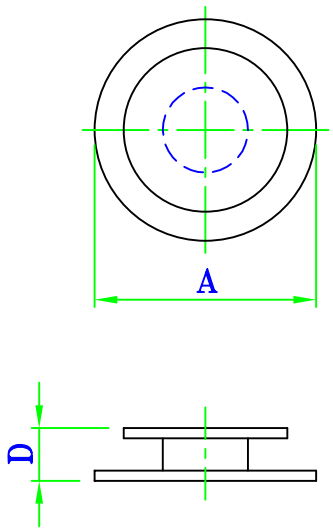
MLDRI (DR with MLRI)

Patent NO.:ZL02230366.9

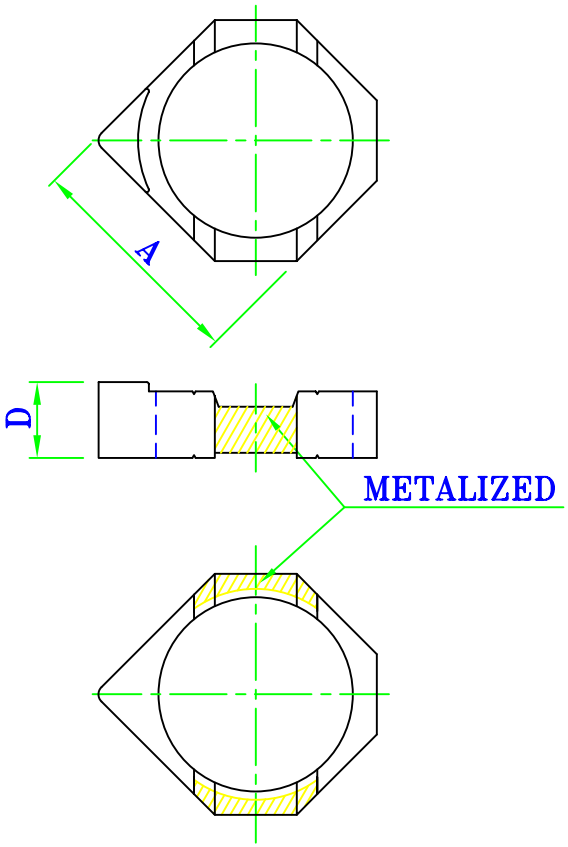


SHAPES

DR



MLRI



MATERIAL: Ni-Zn

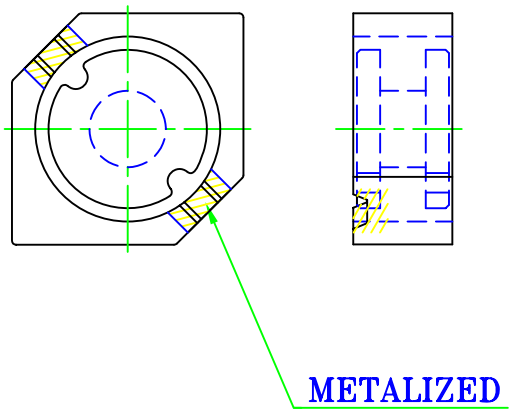
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MLDRI 3.8×1.05 2Td-3	DR 3.5×1.05 d-3	3.5±0.1	1.05±0.1
	MLRI 3.8×0.8×3.15 2T	3.8±0.1	0.8±0.15
MLDRI 3.8×1.25 2Td-3	DR 3.5×1.25 d-3	3.5±0.1	1.25±0.1
	MLRI 3.8×1.0×3.15 2T	3.8±0.1	1.0±0.15

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR LDRI's UPON CUSTOMER'S DEMAND.

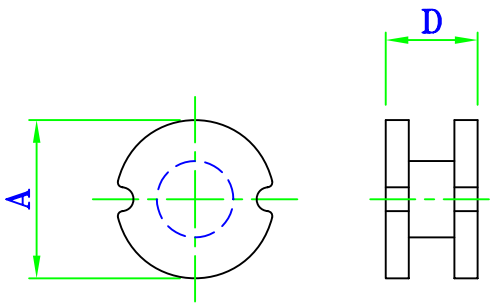
MLDRI(DR with MLRI)

Patent NO.:ZL02230366.9

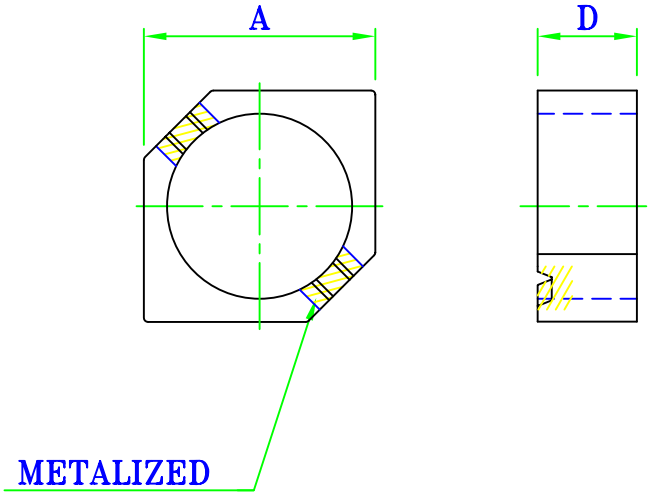


SHAPES

DR



MLRI



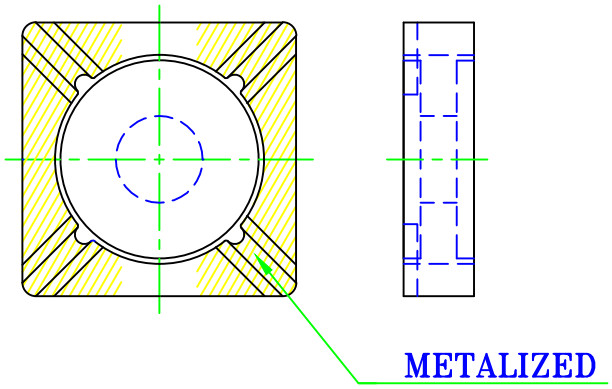
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MLDRI 3.1×1.0^{2T1}	J2 DR 2×1^{R}	$2.0^{+0}_{-0.1}$	1.0±0.1
	E9H MLRI $3.1\times1\times2.2^{2T1}$	3.1±0.07	1.0±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MSDRI-(1)(DR with MSRI)

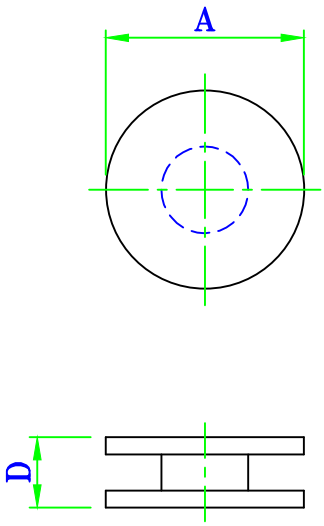
Patent NO.:ZL02230366.9



SHAPES

DR

Fig1



MSRI

Fig1

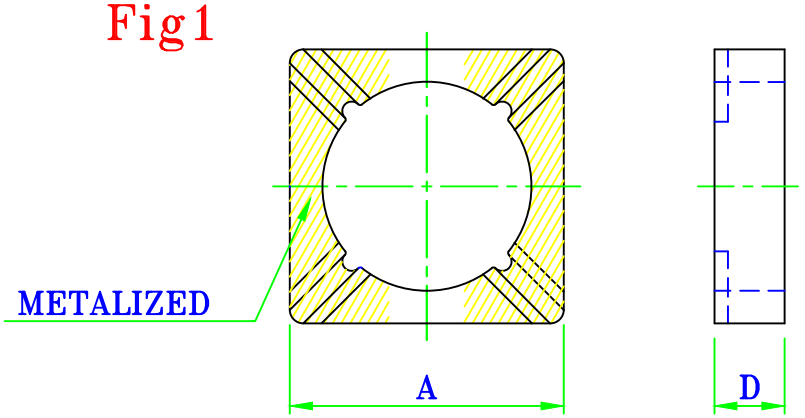


Fig2

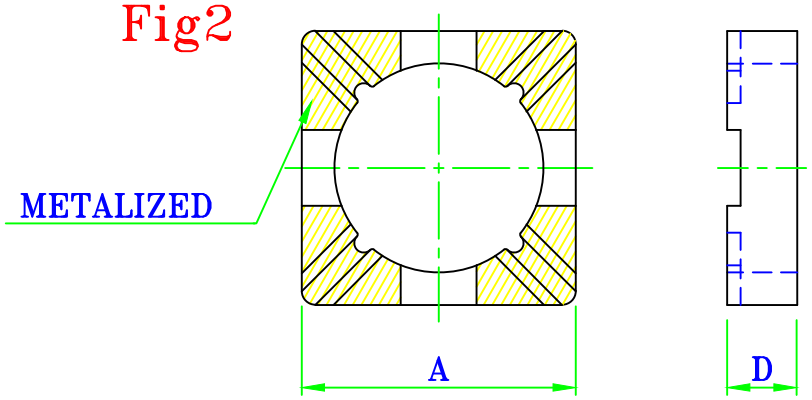
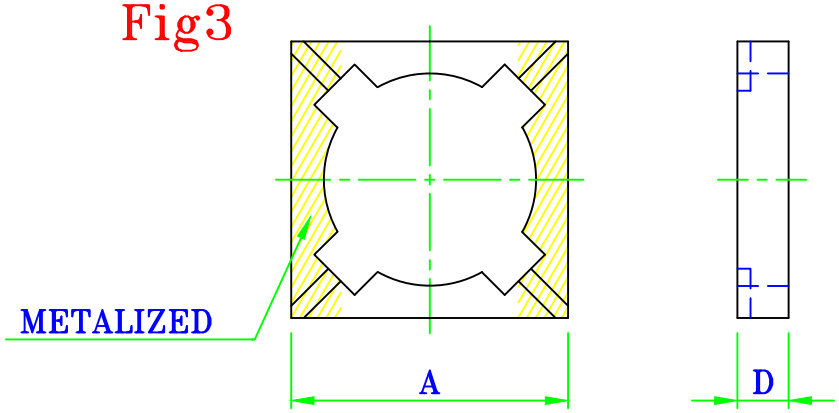


Fig3



MSDRI-(1)

MATERIAL: Ni-Zn:

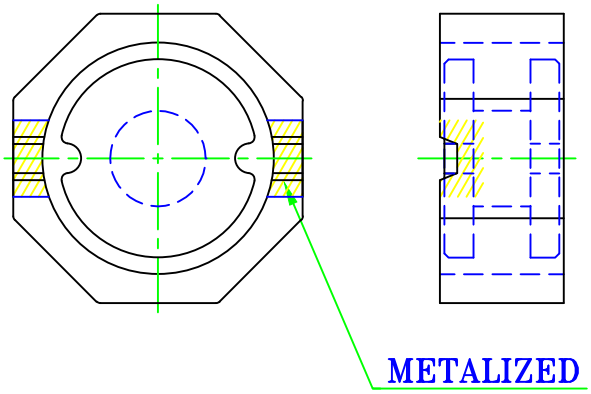
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D	Fig
MSDRI 5.05×2.4 4T1	DR 3.65×2.4	3.65±0.1	$2.4^{+0.05}_{-0.15}$	1
	MSRI 5.05×2.4×3.85 4T1	5.05±0.1	$2.4^{+0.05}_{-0.15}$	1
MSDRI 5.05×1.9 4T1	DR 3.65×1.9	3.65±0.1	$1.9^{+0.05}_{-0.15}$	1
	MSRI 5.05×1.9×3.85 4T1	5.05±0.1	$1.9^{+0.05}_{-0.15}$	1
MSDRI 5.05×1.7 4T1	DR 3.65×1.7	3.65±0.1	$1.7^{+0.05}_{-0.15}$	1
	MSRI 5.05×1.7×3.85 4T1	5.05±0.1	$1.7^{+0.05}_{-0.15}$	1
MSDRI 5.1×1.3 4T1	DR 3.65×1.3	3.65±0.1	1.3±0.1	1
	MSRI 5.1×1.3×3.9 4T1	$5.1^{+0.08}_{-0.10}$	1.3±0.1	1
MSDRI 5.05×1.1 4T1	DR 3.65×1.1	3.65±0.1	$1.1^{+0.05}_{-0.10}$	1
	MSRI 5.05×1.1×3.85 4T1	5.05±0.1	$1.1^{+0.05}_{-0.10}$	1
MSDRI 5.05×0.85 4T1	DR 3.65×0.85	3.65±0.1	$0.85^{+0.05}_{-0.10}$	1
	MSRI 5.05×0.85×3.85 4T1	5.05±0.1	$0.85^{+0.05}_{-0.10}$	1
MSDRI 5.05×2.4 4MT1	DR 3.65×2.4	3.65±0.1	$2.4^{+0.05}_{-0.15}$	1
	MSRI 5.05×2.4×3.85 4MT1	5.05±0.1	$2.4^{+0.05}_{-0.15}$	2
MSDRI 5.05×1.1 4MT1	DR 3.65×1.1	3.65±0.1	$1.1^{+0.05}_{-0.10}$	1
	MSRI 5.05×1.1×3.85 4MT1	5.05±0.1	$1.1^{+0.05}_{-0.10}$	2
MSDRI 7.3×1.0 4T1	DR 5.3×1.0	5.3±0.1	1.0±0.1	1
	MSRI 7.3×1.0×5.6 4T1	7.3±0.15	1.0±0.1	3

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MSDRI-(2)(DR with MSRI)

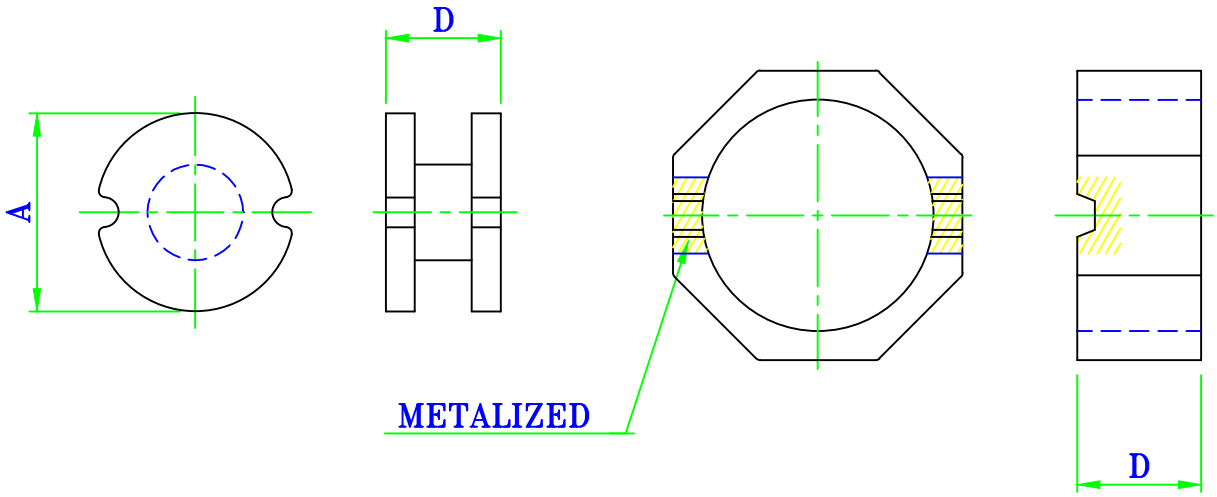
Patent NO.:ZL02230366.9



SHAPES

DR

MSRI



MATERIAL: Ni-Zn:

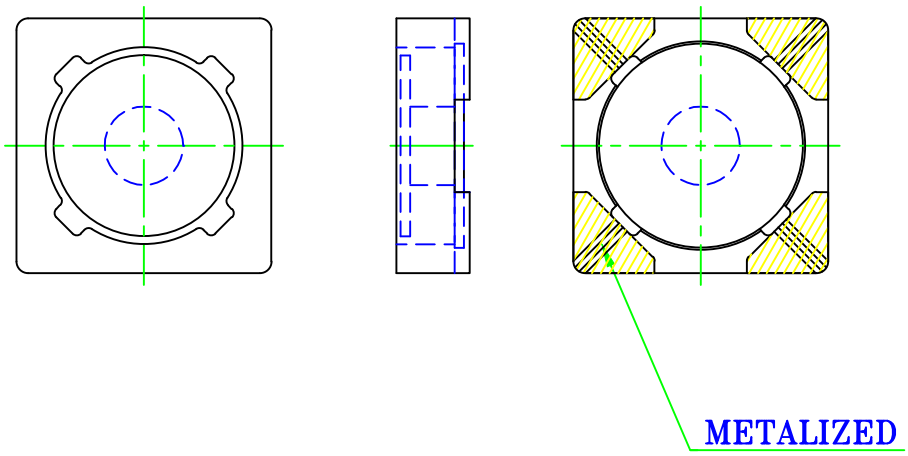
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MSDRI 5.05×1.7 2RT	DR 3.9×1.7 R	3.9±0.1	1.7±0.1
	MSRI 5.05×1.7×4.1 2T1	5.05±0.15	1.7±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MSDRI-(3)(DR with MSRI)

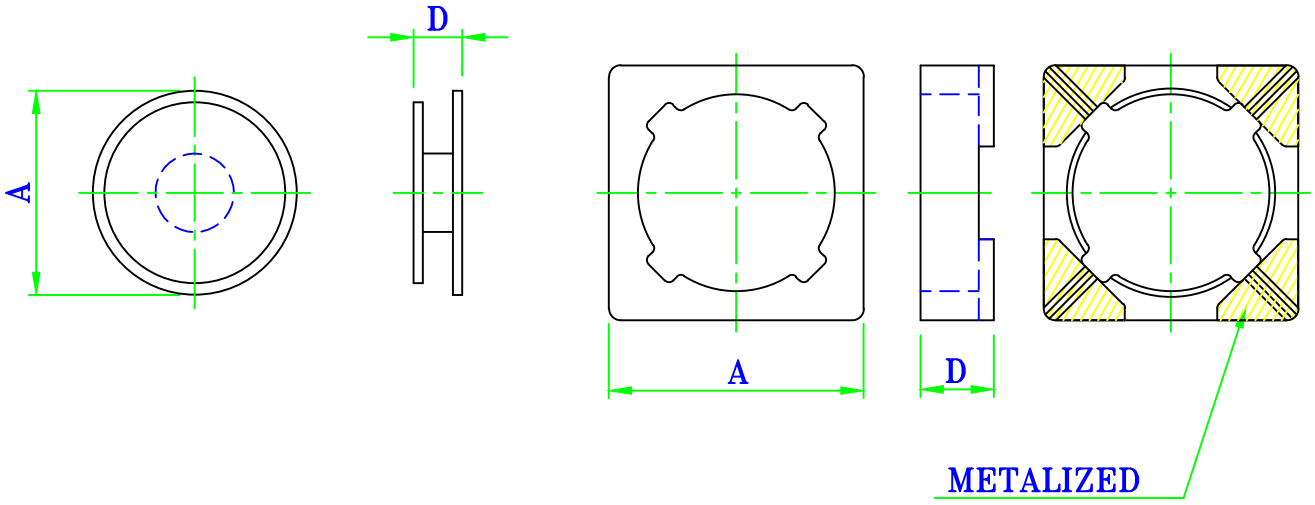
Patent NO.:ZL02230366.9



SHAPES

DR

MSRI



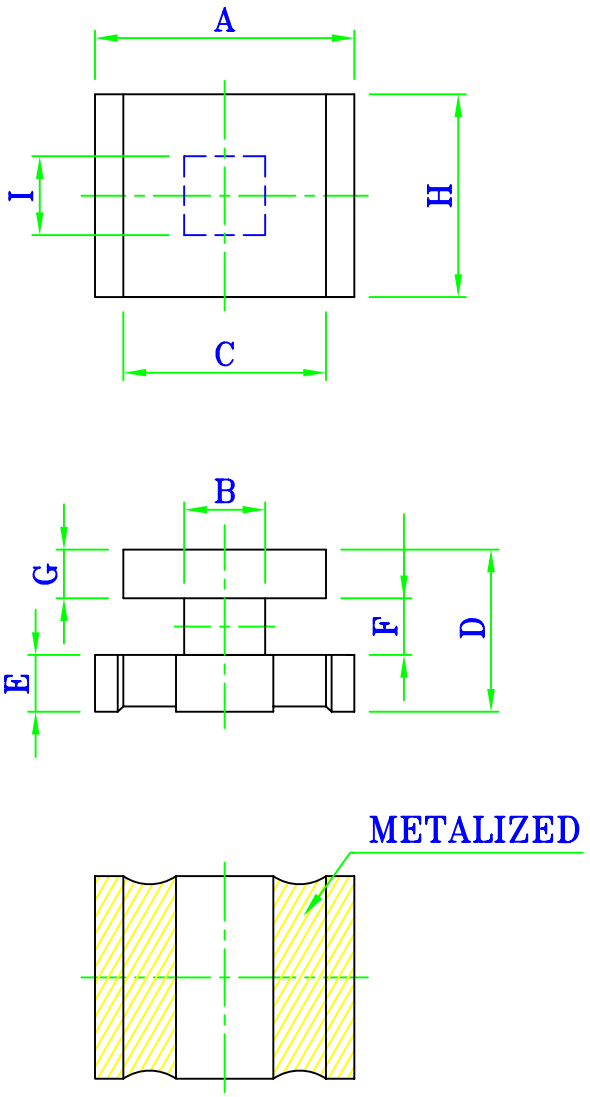
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
MSDRI 4.4×1.25 $^{4MT1\ d-3}_{PC}$	J2 DR 3.5×1.25 $^{d-3}_{PC}$	3.57±0.1	1.28±0.1
	E9S MSRI 4.4×1.35×3.3 ^{4MT1}	4.35±0.15	$1.35\ ^{+0.05}_{-0.1}$

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MH-(1)

SHAPES



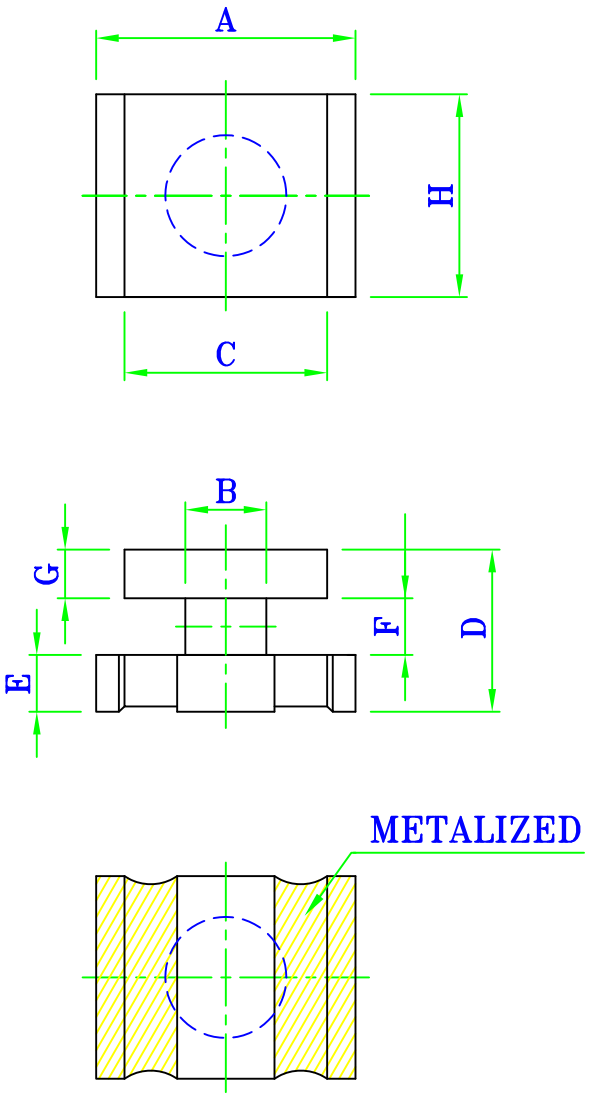
MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	C	D	E	F	G	H	I
MH 3.2×1.6×1.8	3.2±0.15	1.1±0.1	2.3±0.15	1.8±0.15	0.55±0.1	0.8±0.1	0.45±0.1	1.6±0.1	1.1±0.1
MH 3.2×2.5×1.55	3.2±0.1	1.0±0.1	2.5±0.1	1.55±0.15	0.7±0.1	0.4±0.1	0.45±0.1	2.5±0.1	1.0±0.1
MH 3.2×2.5×1.9	3.2±0.1	1.0±0.1	2.5±0.1	1.9±0.15	0.7±0.1	0.7±0.1	0.5±0.1	2.5±0.1	1.05±0.1
MH 3.2×2.7×1.8	3.2±0.1	1.0±0.1	2.4±0.1	1.8±0.1	0.7±0.1	0.6±0.1	0.5±0.1	2.7±0.1	1.3±0.1
MH 4.5×3.2×2.6	4.5±0.2	1.75±0.15	3.6±0.2	2.6±0.2	0.7±0.1	1.2±0.15	0.7±0.1	3.2±0.2	1.45±0.15
MH 6×5×4.5	6±0.2	3±0.15	5±0.2	4.5±0.2	1.5±0.1	2±0.15	1.0±0.1	5±0.2	3.6±0.15

MH-(2)

SHAPES



MATERIAL: Ni-Zn: E9H

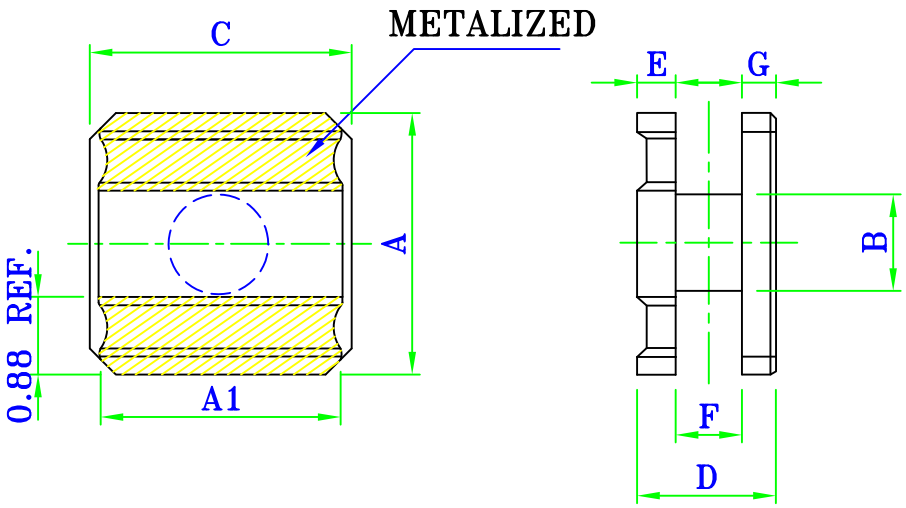
DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	C	D	E	F	G	H	I
MH 3.2x2.5x1.9	3.2±0.1	1.0±0.1	2.5±0.1	1.9±0.15	0.7±0.1	0.7±0.1	0.5±0.1	2.5±0.1	1.05±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MH-(3)

SHAPES



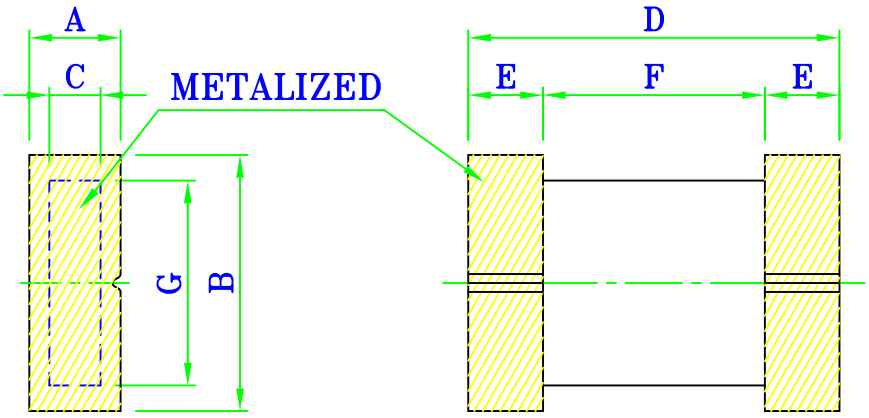
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	A1	B	C	D	E	F	G
MH 3×3×0.93	2.95±0.08	2.8±0.08	1.45±0.08	2.95±0.08	0.93±0.08	0.365REF.	0.3±0.08	0.265REF.
MH 3×3×1.1	2.95±0.08	2.8±0.08	1.30±0.08	2.95±0.08	1.1±0.08	0.40REF.	0.3±0.08	0.4REF.
MH 3×3×1.4	2.95±0.08	2.8±0.08	1.45±0.08	2.95±0.08	1.4±0.08	0.40REF.	0.7±0.08	0.3REF.

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

MH-(4)

SHAPES

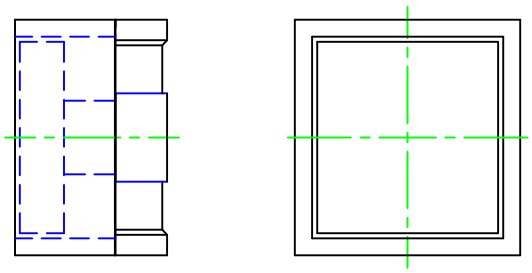


MATERIAL: Ni-Zn:

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C	D	E	F	G
MH 6.35×2.54×9.52 F3	2.54±0.15	6.35±0.2	1.27±0.1	9.52±0.3	1.9 REF	5.71±0.3	4.82±0.2

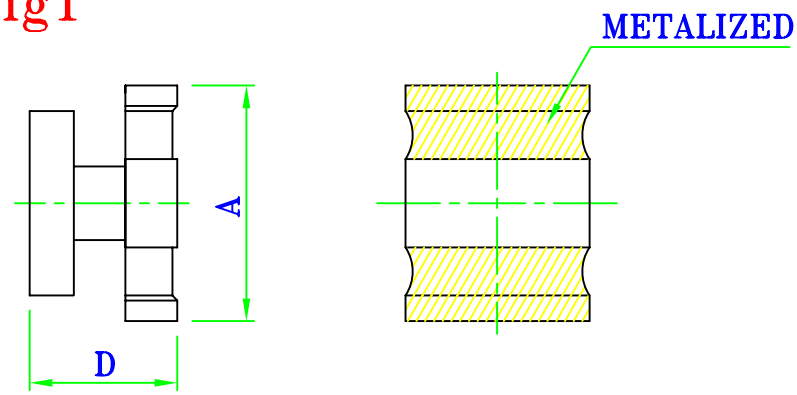
MSRIH



SHAPES

MH

Fig1



SRI

Fig2

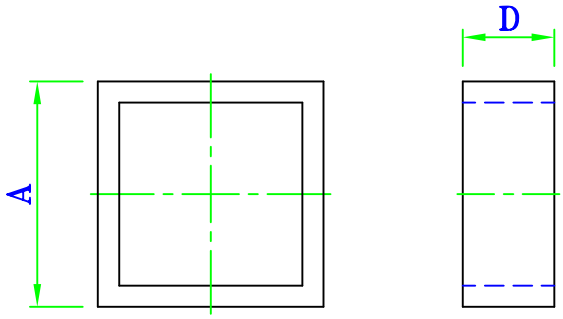
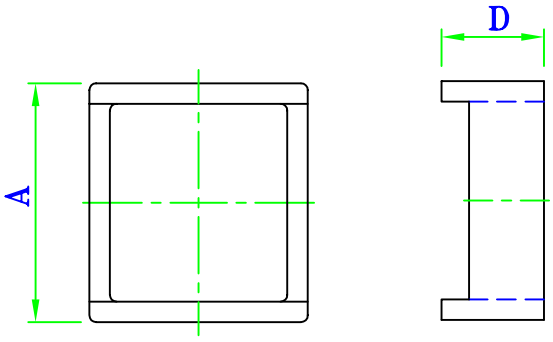


Fig3



MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM		A	D	Fig
MSRIH 3.3×3.3×1.9	MH 3.2×2.5×1.9	3.2±0.1	1.9±0.15	1
	SRI 3.3×1.3	3.3±0.1	1.3±0.1	2
MSRIH 3.5×3.2×1.8	MH 3.2×2.7×1.8	3.2±0.1	1.8±0.1	1
	SRI 3.5×3.2×1.5	3.5±0.1	1.5±0.1	3

DR (for SMD POWER INDUCTORS)

SHAPES

Fig1

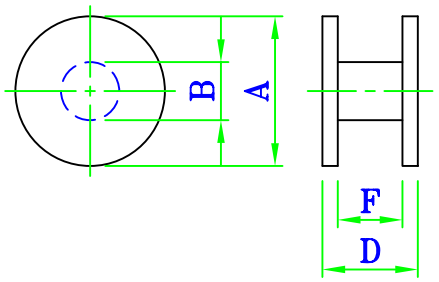
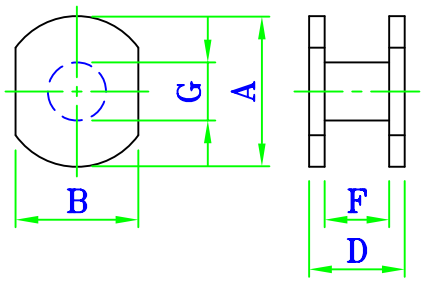


Fig2



MATERIAL: Ni-Zn : E4G,E5G,E9H
Mn-Zn: J2M,J2

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	D	F	G	Fig
DR 3×2.1	3±0.12	1.2±0.15	2.1±0.15	1.0±0.12		1
DR 3.6×1.9	3.55±0.15	1.2±0.15	1.9±0.15	1.0±0.12		1
DR 4.19×2.03	4.19±0.15	1.4±0.15	2.03±0.15	1.0±0.12		1
DR 4.19×2.74	4.19±0.15	2.03±0.15	2.74±0.2	1.54±0.15		1
DR 4.55×3.3	4.55±0.15	1.75±0.15	3.3±0.2	1.3±0.15		1
DR 5×3.68	5±0.15	1.77±0.15	3.68±0.2	2.41±0.15		1
DR 5.3×2.8	5.3±0.15	2.55±0.15	2.8±0.2	1.46±0.15		1
DR 5.3×3.7	5.3±0.15	2.8±0.15	3.7±0.2	2.36±0.15		1
DR 5.7×2.1 T	5.7±0.15	5.2±0.15	2.1±0.15	0.8±0.1	2.0±0.15	2
DR 5.7×2.3 T	5.7±0.15	5.2±0.15	2.3±0.15	1.2±0.15	2.2±0.15	2
DR 5.7×4.3 T	5.7±0.15	5.2±0.15	4.3±0.2	2.3±0.15	2.5±0.15	2
DR 7×3	6.95±0.2	2.7±0.15	3±0.2	1.6±0.15		1
DR 7×4.4	6.95±0.2	2.7±0.15	4.4±0.2	2.5±0.15		1
DR 8×1.9	8±0.2	3.2±0.15	1.9±0.15	0.75±0.1		1
DR 8.4×2.5	8.4±0.2	2.9±0.15	2.5±0.2	1.12±0.15		1
DR 8.4×4.19	8.4±0.2	3.0±0.15	4.19±0.2	2.35±0.15		1
DR 8.51×2.03	8.51±0.2	3.2±0.15	2.03±0.15	0.77±0.1		1
DR 8.51×4.19	8.51±0.2	2.8±0.15	4.19±0.2	2.66±0.15		1
DR 9×4 H	9.05±0.2	4±0.15	4±0.2	1.8±0.15		1
DR 9.85×2.5 T	9.85±0.2	9.2±0.2	2.5±0.2	1.0±0.12	4.8±0.15	2
DR 9.85×3.4 T	9.85±0.2	9.2±0.2	3.4±0.2	1.4±0.15	4.2±0.15	2
DR 9.85×4.4 T	9.85±0.2	9.2±0.2	4.4±0.2	2.4±0.15	4.2±0.15	2
DR 9.85×5.2	9.85±0.2	4.9±0.15	5.2±0.2	3±0.15		1
DR 9.85×7.1	9.85±0.2	6.4±0.15	7.1±0.2	4.9±0.15		1
DR 10×3.85	10±0.25	5±0.15	3.85±0.2	1.9±0.15		1
DR 11.18×2.79	11.18±0.25	4.6±0.15	2.79±0.2	1.57±0.15		1
DR 11.18×4.19	11.18±0.25	5.1±0.15	4.19±0.2	2.51±0.15		1
DR 12.7×6	12.7±0.25	5.5±0.15	6±0.2	3±0.15		1
DR 12.8×5.8	12.8±0.25	5.7±0.15	5.8±0.2	3±0.15		1
DR 17.78×8.13	17.78±0.38	8.13±0.2	8.13±0.25	4.83±0.15		1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

DR

(Extremely Small & Thin Size for SMD POWER INDUCTORS)

SHAPES

Fig1

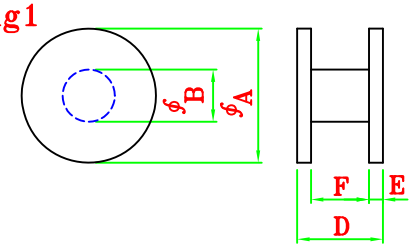
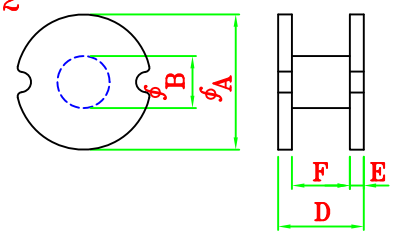


Fig2



MATERIAL: Ni-Zn : E9H,E4K,E4DS
Mn-Zn: J2M,J2,JP40

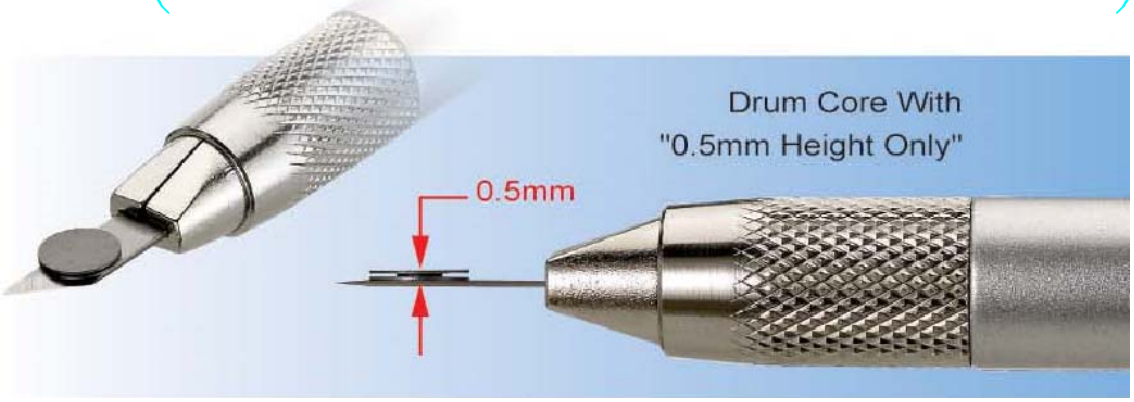
DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	D	E	F	Fig
DR 1.2×0.5	1.2±0.07	0.5±0.07	0.5±0.07	0.15	0.2±0.07	1
DR 1.2×0.65	1.2±0.07	0.5±0.07	0.65±0.07	0.2	0.25±0.07	1
DR 1.6×0.8	1.6±0.1	0.8±0.1	0.8±0.07	0.25	0.3±0.07	1
DR 2.5×0.7	2.5±0.1	1.0±0.1	0.7±0.07	0.2	0.3±0.07	1
DR 2.9×0.5	2.9±0.1	1.5±0.1	0.5±0.07	0.15	0.2±0.07	1
DR 2.9×0.65	2.9±0.1	1.5±0.1	0.65±0.07	0.2	0.25±0.07	1
DR 2.9×0.85	2.9±0.1	1.2±0.1	0.85±0.07	0.275	0.3±0.07	1
DR 3.5×0.6	3.5±0.1	2.0±0.1	0.6±0.07	0.2	0.2±0.07	1
DR 3.5×0.8	3.5±0.1	2.0±0.1	0.8±0.07	0.275	0.25±0.07	1
DR 3.5×1	3.5±0.1	2.7±0.1	1.0±0.07	0.25	0.5±0.07	1
DR 3.5×1.1	3.5±0.1	2.2±0.1	1.1±0.07	0.35	0.4±0.07	1
DR 3.6×0.8	3.6±0.1	1.6±0.1	0.8±0.07	0.25	0.3±0.07	1
DR 3.6×0.85	3.6±0.1	1.6±0.1	0.85±0.07	0.25	0.35±0.07	1
DR 3.65×0.5	3.65±0.1	1.8±0.1	0.5±0.07	0.15	0.2±0.07	1
DR 3.65×0.6	3.65±0.1	1.8±0.1	0.6±0.07	0.2	0.2±0.07	1
DR 3.65×0.65	3.65±0.1	1.8±0.1	0.65±0.07	0.225	0.2±0.07	1
DR 3.65×0.75	3.65±0.1	1.9±0.1	0.75±0.07	0.225	0.3±0.07	1
DR 3.65×0.85	3.65±0.1	1.6±0.1	0.85±0.07	0.25	0.35±0.07	1
DR 3.65×0.95	3.65±0.1	1.8±0.1	0.95±0.07	0.275	0.4±0.07	1
DR 3.65×1	3.65±0.1	1.6±0.1	1.0±0.07	0.3	0.4±0.07	1
DR 3.65×1.1	3.65±0.1	1.8±0.1	1.1±0.07	0.35	0.4±0.07	1
DR 3.85×0.5	3.85±0.1	1.5±0.1	0.5±0.07	0.15	0.2±0.07	1
DR 3.85×0.65	3.85±0.1	1.5±0.1	0.65±0.07	0.2	0.25±0.07	1
DR 4.0×1.2	4.0±0.1	1.2±0.1	1.2±0.1	0.275	0.65±0.07	1
DR 4.5×0.5	4.5±0.1	2.0±0.1	0.5±0.07	0.15	0.2±0.07	1
DR 4.5×0.65	4.5±0.1	2.0±0.1	0.65±0.07	0.2	0.25±0.07	1
DR 4.5×0.9	4.5±0.1	2.0±0.1	0.9±0.07	0.3	0.3±0.07	1
DR 4.5×1	4.5±0.1	2.0±0.1	1.0±0.07	0.3	0.4±0.07	1
DR 4.8×0.9	4.8±0.1	2.0±0.1	0.9±0.07	0.3	0.3±0.07	1
DR 5.0×1.1	5.0±0.1	1.6±0.1	1.1±0.07	0.35	0.4±0.07	1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

DR

(Extremely Small & Thin Size for SMD POWER INDUCTORS)



DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	D	E	F	Fig
DR 5.3×0.5	5.3±0.1	2.5±0.1	0.5±0.07	0.15	0.2±0.07	1
DR 5.3×0.65	5.3±0.1	2.5±0.1	0.65±0.07	0.2	0.25±0.07	1
DR 5.3×1	5.3±0.1	3.15±0.1	1.0±0.07	0.3	0.4±0.07	1
DR 5.3×1.2	5.3±0.1	3.2±0.1	1.2±0.1	0.4	0.4±0.07	1
DR 5.5×0.8	5.5±0.1	3.5±0.1	0.8±0.07	0.25	0.3±0.07	1
DR 6×0.8	6.0±0.1	3.8±0.1	0.8±0.07	0.225	0.35±0.07	1
DR 10×1.1	10.0±0.1	7.0±0.1	1.1±0.07	0.3	0.5±0.07	1
DR 1.8×0.5 R	1.8±0.1	0.7±0.1	0.5±0.07	0.15	0.2±0.07	2
DR 1.85×0.65 R	1.85±0.1	0.9±0.1	0.65±0.07	0.2	0.25±0.07	2
DR 1.85×0.8 R	1.85±0.1	1.0±0.1	0.8±0.07	0.25	0.3±0.07	2
DR 2×0.85 R	2.0±0.1	1.0±0.1	0.85±0.07	0.25	0.35±0.07	2
DR 2×0.9 R	2.0±0.1	0.9±0.1	0.9±0.07	0.25	0.4±0.07	2
DR 2×1 R	2.0±0.1	1.0±0.1	1.0±0.07	0.35	0.3±0.07	2
DR 3.9×0.8 R	3.9±0.1	1.6±0.1	0.8±0.07	0.25	0.3±0.07	2
DR 4×0.9 R	4.0±0.1	1.6±0.1	0.9±0.07	0.3	0.3±0.07	2
DR 4.3×1.1 R	4.3±0.1	2.0±0.1	1.1±0.07	0.325	0.45±0.07	2
DR 4.6×0.8 R	4.6±0.1	2.2±0.1	0.8±0.07	0.275	0.25±0.07	2
DR 7.6×0.85 R	7.6±0.1	3.0±0.1	0.85±0.07	0.25	0.35±0.07	2
DR 7.6×1.2 R	7.6±0.1	3.8±0.1	1.2±0.1	0.35	0.5±0.07	2

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

YENG TAT ELECTRONICS CO.,LTD.

DRI (DR with RI)

SHAPES

Fig1

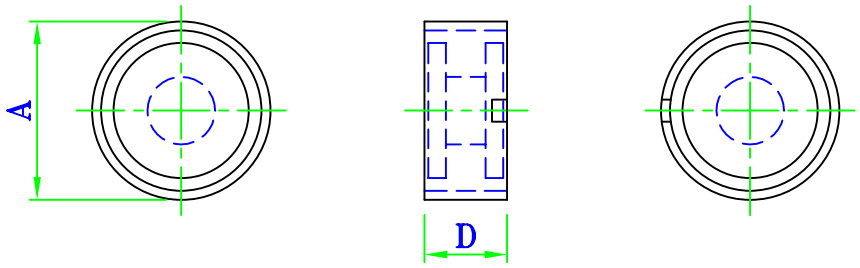


Fig2

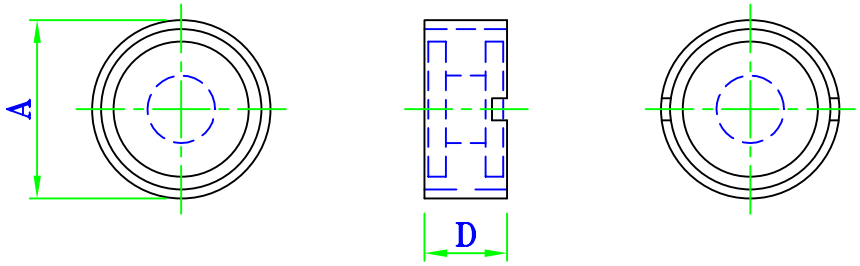


Fig3

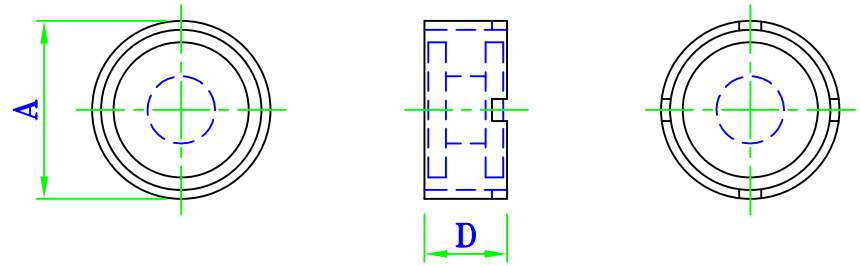
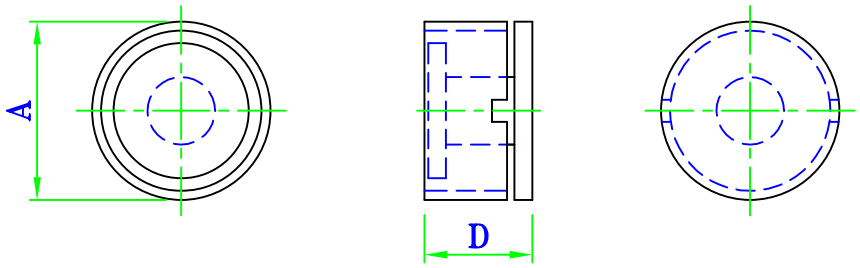


Fig4



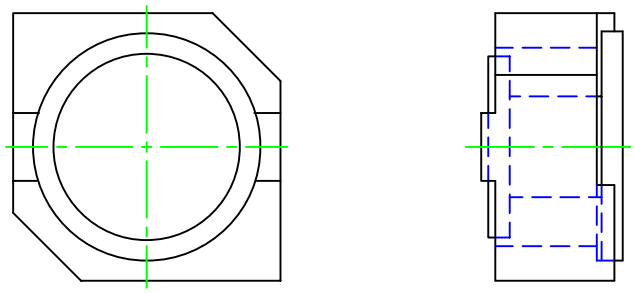
MATERIAL: Ni–Zn : E9H
Mn–Zn: J2

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	D	Fig	ITEM	A	D	Fig
DRI 2.8×2.69 2T	2.8±0.1	2.69±0.15	2	DRI 6×2.05 2T	6±0.15	2.05±0.1	2
DRI 3.3×1.7 2T	3.3±0.1	1.7±0.1	2	DRI 6.6×1.45 2T	6.6±0.15	1.45±0.1	2
DRI 3.3×2.6 2T	3.3±0.1	2.6±0.15	2	DRI 6.9×2.45 2T	6.9±0.15	2.45±0.15	2
DRI 3.85×2.15 2T d-3	3.85±0.1	2.15±0.1	4	DRI 6.9×4.2 2T	6.9±0.15	4.2±0.15	2
DRI 4×1.7 2T	4±0.1	1.7±0.1	2	DRI 8.25×2.1 2T	8.25±0.15	2.1±0.15	2
DRI 4.3×3 T	4.3±0.1	3±0.15	1	DRI 8.25×4.0 2T	8.25±0.15	4.0±0.15	2
DRI 4.5×2 2T	4.5±0.1	2±0.1	2	DRI 12.3×5.25 4T	12.3±0.2	5.25±0.15	3
DRI 4.5×2.5 2T	4.5±0.1	2.5±0.15	2	DRI 12.3×7.1 4T	12.3±0.2	7.1±0.15	3
DRI 4.9×3 T	4.9±0.1	3±0.15	1	DRI 12.6×5.7 2T	12.6±0.2	5.7±0.15	2

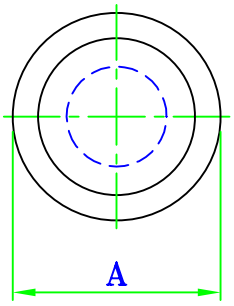
* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

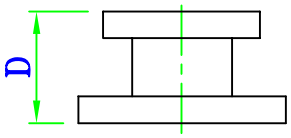
LDRI-(1) (DR with LRI)



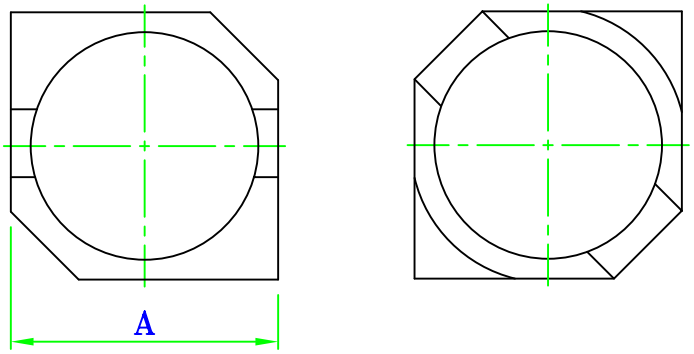
SHAPES

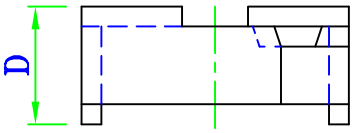
DR





LRI





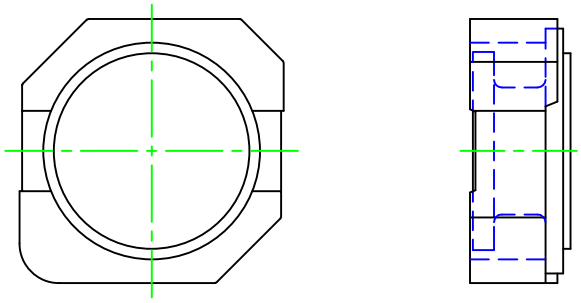
MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
LDRI 4.7×1.8 2Td-3	DR 4.6×1.7 d-3	4.6±0.1	1.7±0.1
	LRI 4.7×1.65×3.88 2T	4.7±0.1	1.65±0.1
LDRI 4.7×2.8 2Td-3	DR 4.6×2.65 d-3	4.6±0.1	2.65±0.1
	LRI 4.7×2.55×3.88 2T	4.7±0.1	2.55±0.1
LDRI 5.7×1.8 2Td-3	DR 5.6×1.7 d-3	5.6±0.1	1.7±0.1
	LRI 5.7×1.47×4.86 2T	5.7±0.1	1.47±0.1
LDRI 5.7×2.62 2Td-3	DR 5.6×2.57 d-3	5.6±0.1	2.57±0.1
	LRI 5.7×2.37×4.86 2T	5.7±0.1	2.37±0.1
LDRI 6.7×2.67 2Td-3	DR 6.5×2.57 d-3	6.5±0.1	2.57±0.1
	LRI 6.7×2.42×5.7 2T	6.7±0.1	2.42±0.1
LDRI 6.7×3.75 2Td-3	DR 6.5×3.65 d-3	6.5±0.1	3.65±0.1
	LRI 6.7×3.45×5.7 2T	6.7±0.1	3.45±0.1

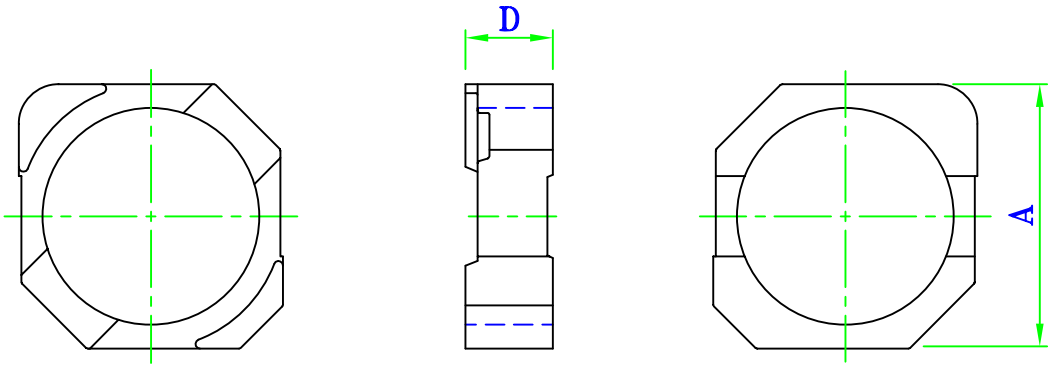
* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR LDRI's UPON CUSTOMER'S DEMAND.

LDRI-(2) (DR with LRI)

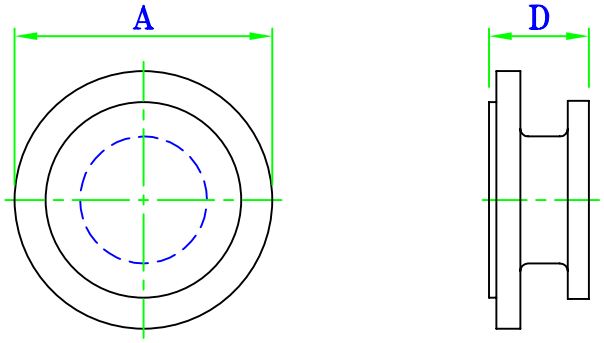


SHAPES

LRI



DR



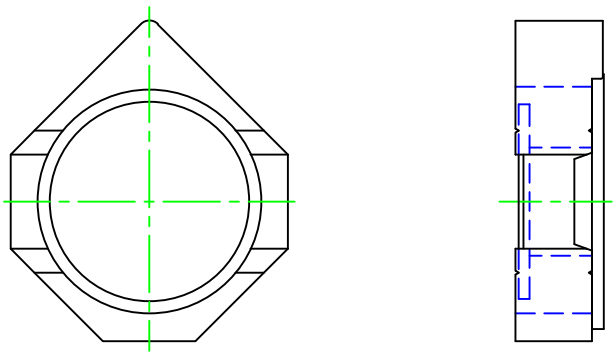
MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
LDRI 10×3.7 2TPd-3	DR 9.8×3.65 Pd-3	9.8±0.12	3.65±0.15
	LRI 10×3.35×8.2 2T	10±0.15	3.35±0.15
LDRI 10×4.7 2TPd-3	DR 9.8×4.65 Pd-3	9.8±0.12	4.65±0.15
	LRI 10×4.25×8.2 2T	10±0.15	4.25±0.15
LDRI 10×5.7 2TPd-3	DR 9.8×5.65 Pd-3	9.8±0.12	5.65±0.15
	LRI 10×5.25×8.2 2T	10±0.15	5.25±0.15

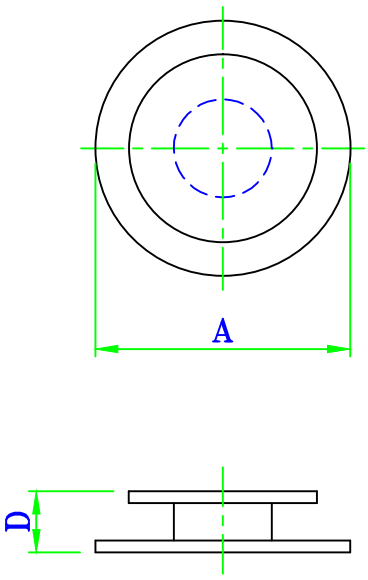
* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR LDRI's UPON CUSTOMER'S DEMAND.

LDRI-(3) (DR with LRI)

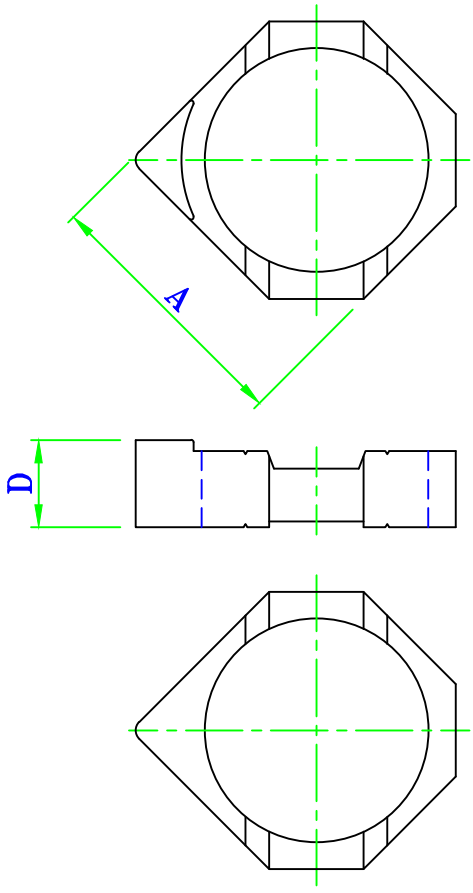


SHAPES

DR



LRI



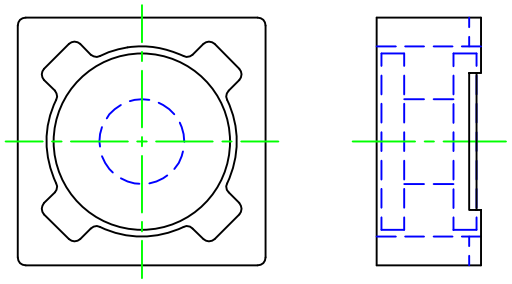
MATERIAL: Ni-Zn

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
LDRI 3.0×1.4 2Td-3	DR 2.8×1.35 d-3	2.8±0.1	1.35±0.15
	LRI 3.0×1.2×2.4 2T	3.0±0.1	1.2±0.15
LDRI 3.8×1.5 2Td-3	DR 3.5 1.5 d-3	3.5±0.1	1.5±0.15
	LRI 3.8×1.3×3.15 2T	3.8±0.1	1.3±0.15

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR LDRI's UPON CUSTOMER'S DEMAND.

SDRI-(1)(DR with SRI)



SHAPES

DR

Fig1

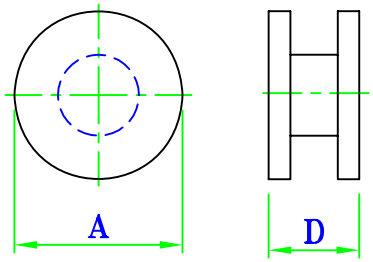
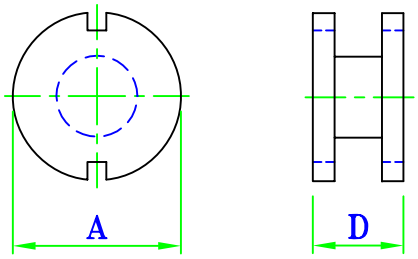


Fig2



SRI

Fig1

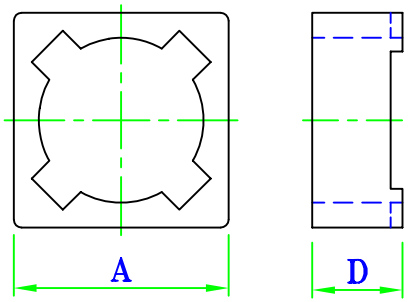


Fig2

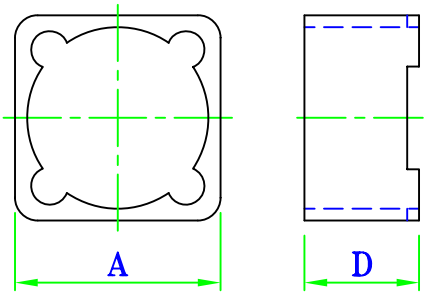


Fig3

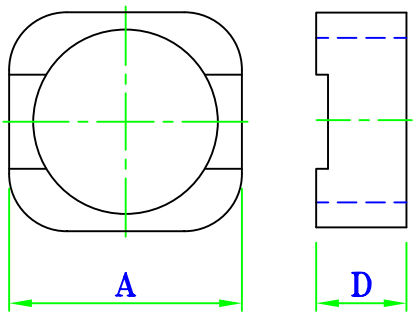
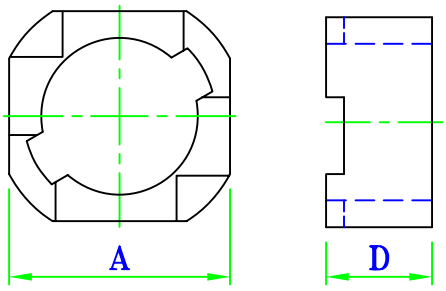


Fig4



SDRI-(1)

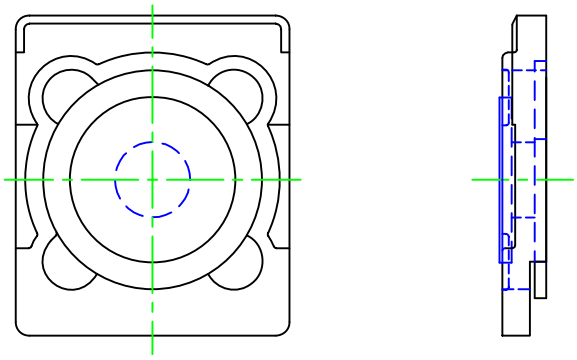
MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D	Fig
SDRI 7.3×2.8	DR 5.3×2.8	5.3±0.1	2.8±0.15	1
	SRI 7.3×2.7×5.6	7.3±0.15	2.7±0.15	1
SDRI 7.3×3.7	DR 5.3×3.7	5.3±0.1	3.7±0.15	1
	SRI 7.3×3.5×5.6	7.3±0.15	3.5±0.15	1
SDRI 12×3.85	DR 9.9×3.85	9.9±0.1	3.85±0.15	1
	SRI 12×3.6×10.6 S	12±0.2	3.6±0.15	2
SDRI 12×5.2	DR 9.85×5.2	9.85±0.1	5.2±0.15	1
	SRI 12×5×10.6 S	12±0.2	5.0±0.2	2
SDRI 12×7.1	DR 9.85×7.1	9.85±0.1	7.1±0.15	1
	SRI 12×6.6×10.6 S	12±0.2	6.6±0.2	2
SDRI 6×1.7 2T	DR 4.45×1.7 R	4.45±0.1	1.7±0.1	2
	SRI 6×5.75×1.6 2T4P	6±0.15	1.6±0.1	3
SDRI 6×2.2 2T	DR 4.45×2.2 R	4.45±0.1	2.2±0.1	2
	SRI 6×5.75×2.1 2T4P	6±0.15	2.1±0.1	3
SDRI 6.2×2.5 4T	DR 3.9×2.5	3.9±0.1	2.5±0.15	1
	SRI 6.2×5.9×2.4 4T	6.2±0.15	2.4±0.15	4
SDRI 6.2×4.2 4T	DR 3.9×4.2	3.9±0.1	4.2±0.15	1
	SRI 6.2×5.9×4.1 4T	6.2±0.15	4.1±0.15	4

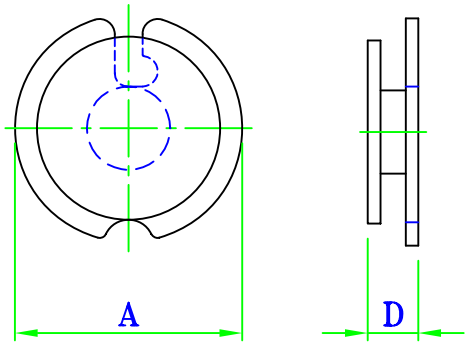
* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR SDRI's UPON CUSTOMER'S DEMAND.

SDRI-(2)(DR with SRI)

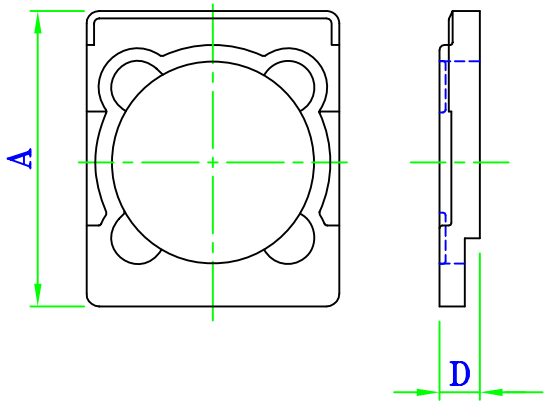


SHAPES

DR



SRI



MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
SDRI 11.7×10×2	DR 9×2 Rd-3	9±0.12	2±0.1
	SRI 11.7×10×1.6	11.7±0.15	1.6±0.1

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR SDRI's UPON CUSTOMER'S DEMAND.

SDRP(DR with SP)

Fig1

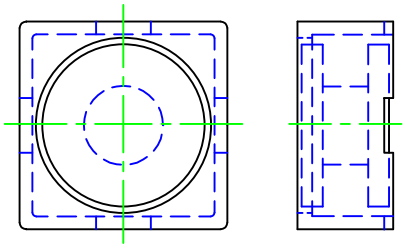
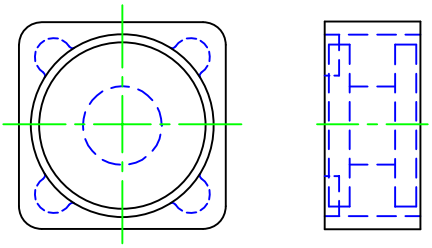
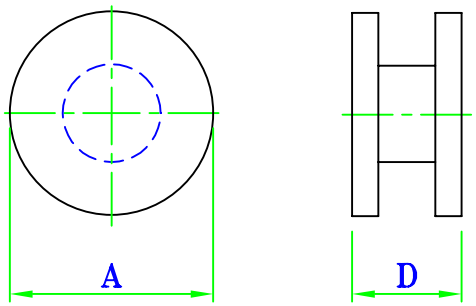


Fig2



SHAPES

DR



SP

Fig1

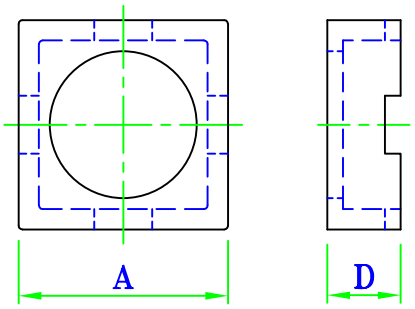
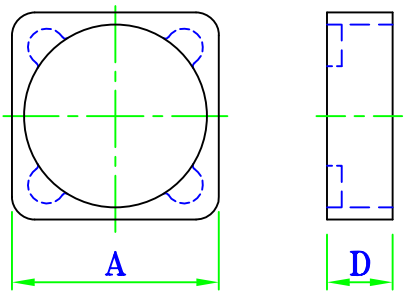


Fig2



MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D	Fig
SDRP 6.7×1.6 4T	DR 4.5×1.6	4.5±0.1	1.6±0.1	1
	SP 6.7×1.35 4T	6.7±0.12	1.35±0.1	
SDRP 6.7×2.1 4T	DR 4.5×2.1	4.5±0.1	2.1±0.1	1
	SP 6.7×1.85 4T	6.7±0.12	1.85±0.1	
SDRP 12.2×3.65	DR 9.9×3.65	9.9±0.1	3.65±0.1	2
	SP 12.2×3.05×10.6	12.2±0.2	3.05±0.1	
SDRP 12.2×5.05	DR 9.9×5.05	9.9±0.1	5.05±0.1	2
	SP 12.2×4.38×10.6	12.2±0.2	4.38±0.1	

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT
* WE CAN SUPPLY LEAD FRAMES FOR SDRP's UPON CUSTOMER'S DEMAND.

SP

SHAPES

Fig1

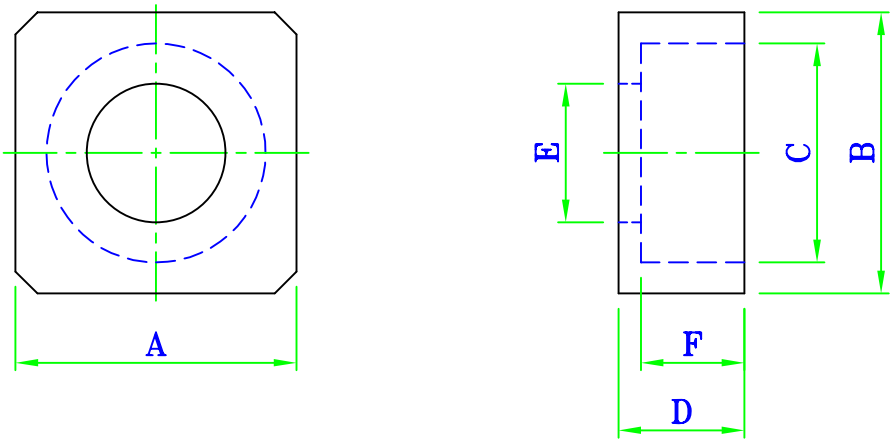
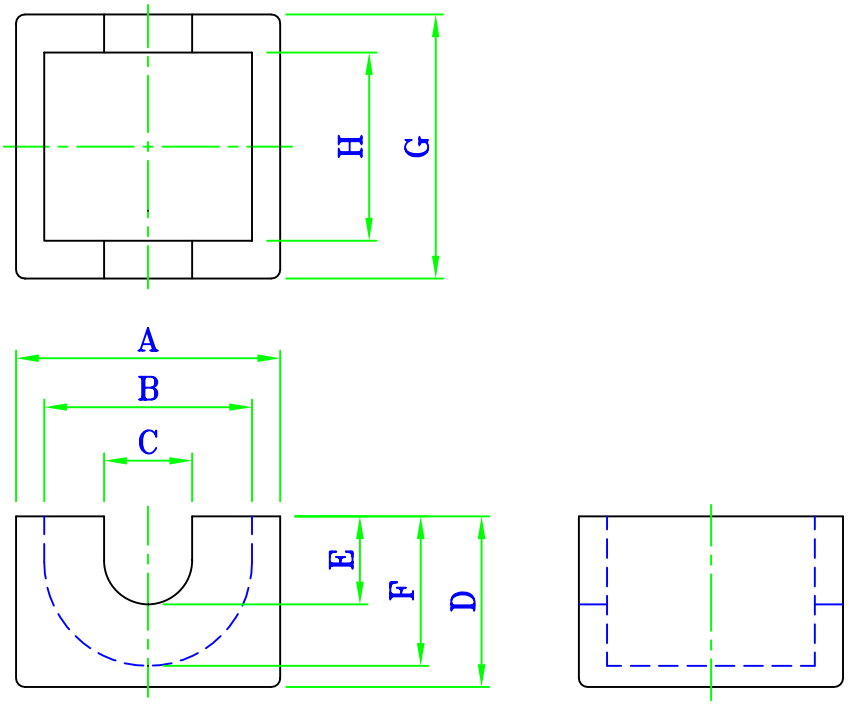


Fig2



DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C	D	E	F	G	H	Fig
SP 7.55×3.45	$7.7^{+0}_{-0.3}$	$7.7^{+0}_{-0.3}$	6±0.2	3.45±0.2	$3.55^{+0.25}_{-0}$	2.8±0.15			1
SP 15×9.7	$15^{+0}_{-0.4}$	11.8±0.2	5±0.15	9.7±0.1	5±0.15	8.5±0.15	$15^{+0}_{-0.4}$	10.7±0.2	2

ST

SHAPES

Fig1

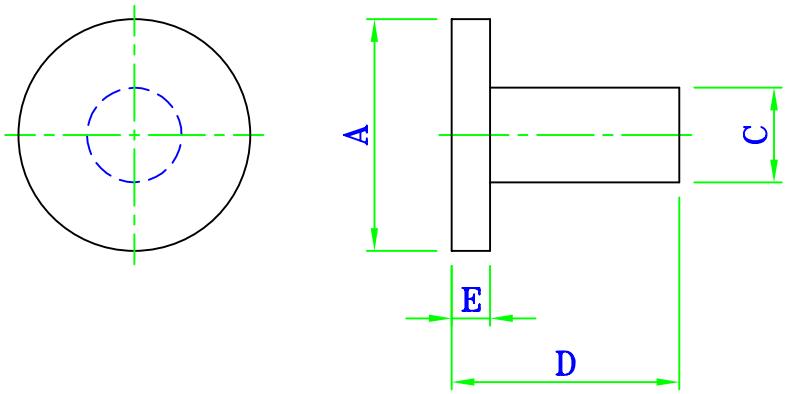
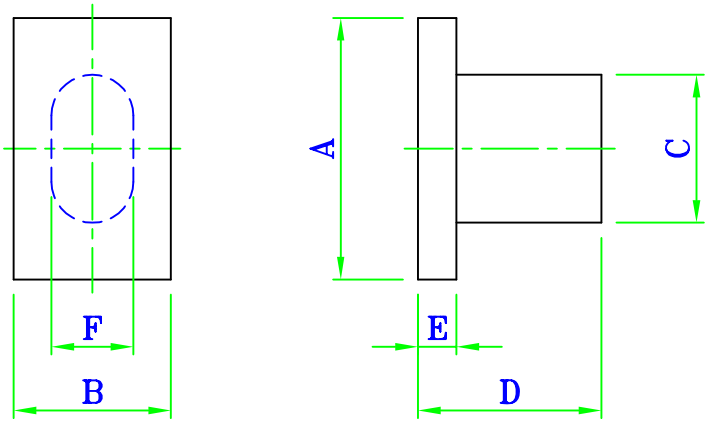


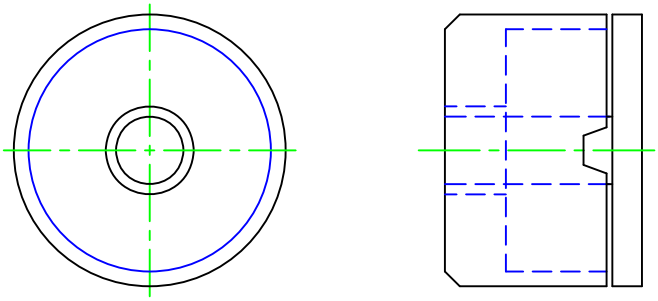
Fig2



DIMENSIONS OF MAIN PRODUCTS (unit:mm)

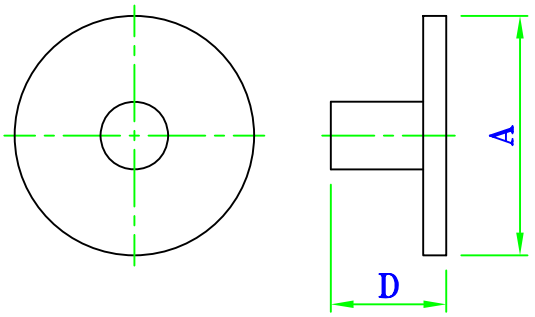
ITEM	A	B	C	D	E	F	Fig
ST 3.9×2.05	3.9±0.1		1.2±0.07	$2.05^{+0.12}_{-0.05}$	0.45±0.1		1
ST 5.4×5.3	$5.4^{+0}_{-0.3}$		2.2±0.1	5.3±0.2	0.9±0.1		1
ST 8.3×4	8.3±0.2		2.35±0.1	4±0.15	0.8±0.1		1
ST 4.06×2.85	4.06±0.15	2.44±0.15	2.3±0.1	2.85±0.2	0.6±0.1	1.27±0.1	2

STP(ST with P)

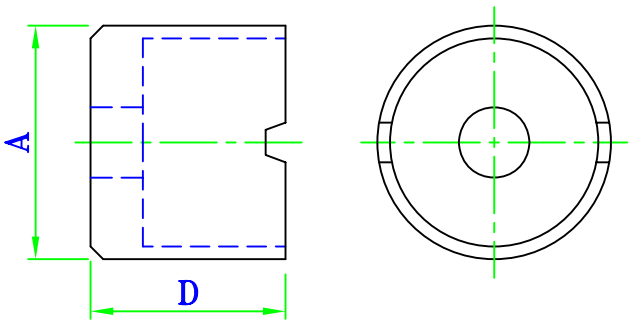


SHAPES

ST



P



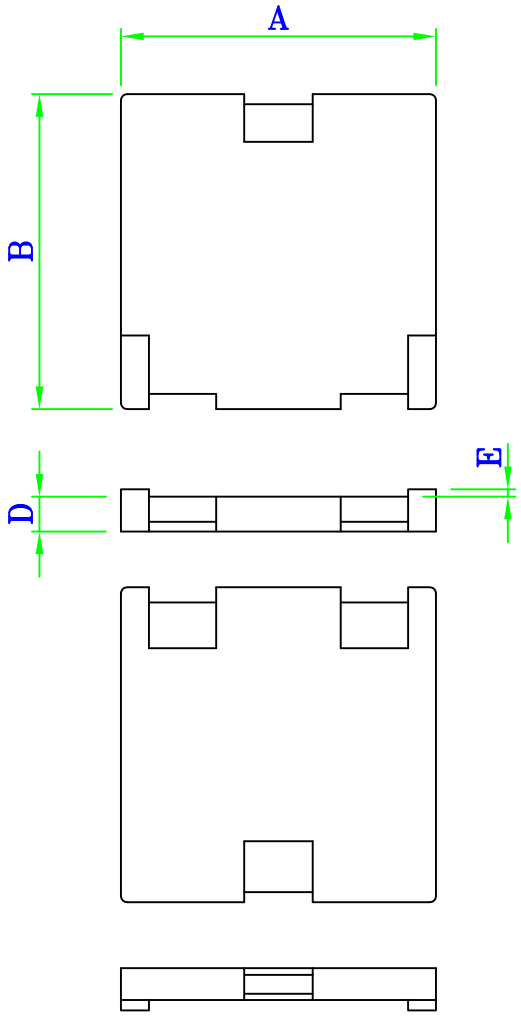
DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	D
STP 3.9×2	ST 3.9×2	3.9±0.1	2±0.1
	P 3.9×1.55 TP2	3.9±0.1	1.55±0.1
STP 8.3×4	ST 8.3×4	8.3±0.2	4±0.15
	P 8.3×3.2 2TP2	8.3±0.2	3.2±0.2

* "D" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

SD

SHAPES



MATERIAL: Ni-Zn: E9H

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	D	E
SD 12.4×12.4×1.55	12.4±0.25	12.4±0.25	1.25±0.1	0.3 REF
SD 12.5×12.5×1.45	$12.8^{+0}_{-0.5}$	$12.8^{+0}_{-0.5}$	1.45±0.1	0.38 REF
SD 13.2×13.2×1.5	13.2±0.3	13.2±0.3	1.2±0.1	0.3±0.1
SD 14.5×14.5×1.5	14.5±0.3	14.5±0.3	1.2±0.1	0.3±0.1

EI (Planar core)

SHAPES

Fig1

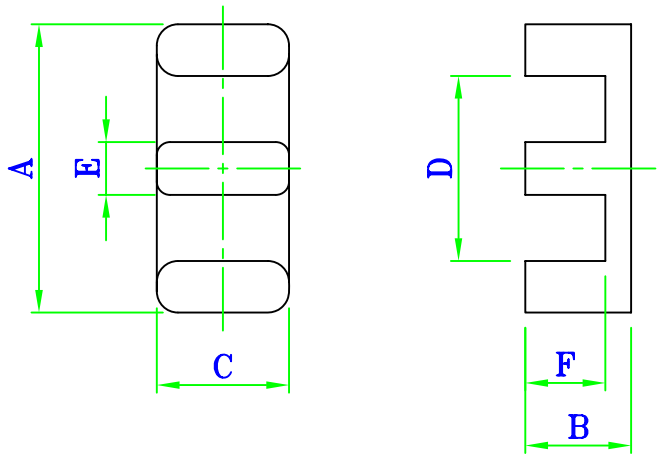
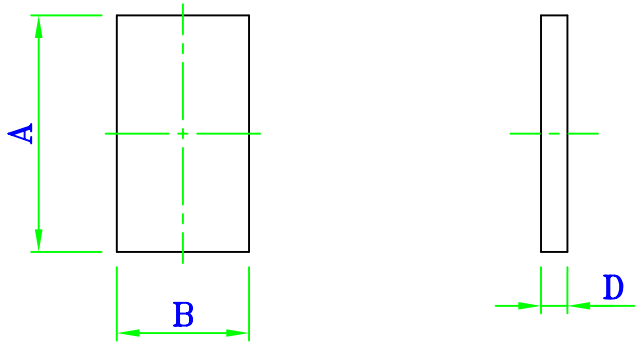


Fig2



MATERIAL: Mn-Zn: JP40

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM		A	B	C	D	E	F	Fig
EI 14	E 14×3.5×5	$14^{+0.3}_{-0.15}$	3.5±0.1	5±0.1	11.0-0	3±0.05	2±0.1	1
	I 14×5×1.5	14±0.3	5±0.1		1.5±0.15			2
EI 18	E 18×4×10	18±0.35	4±0.1	10±0.2	14±0.3	4±0.1	2±0.1	1
	I 18×10×2	18±0.35	10±0.2		2±0.05			2
EI 22	E 22×6×16	21.8±0.4	5.7±0.1	15.8±0.3	16.8±0.4	5±0.1	3.2±0.1	1
	I 22×16×2.5	21.8±0.4	15.8±0.3		2.5±0.05			2

EQ (Planar core)

SHAPES

Fig1

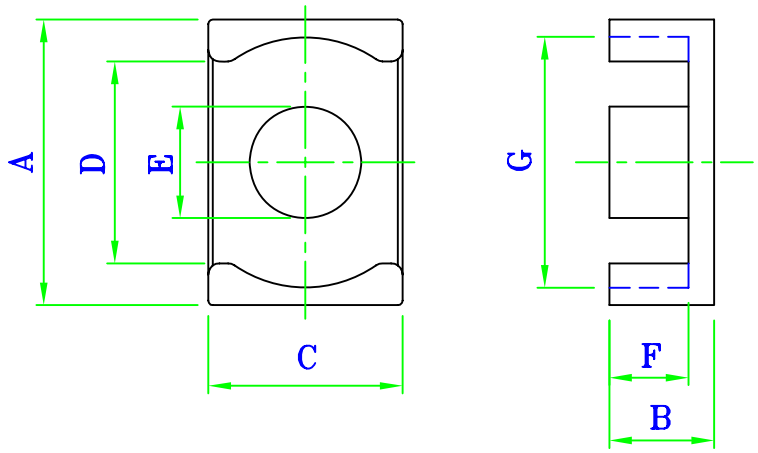
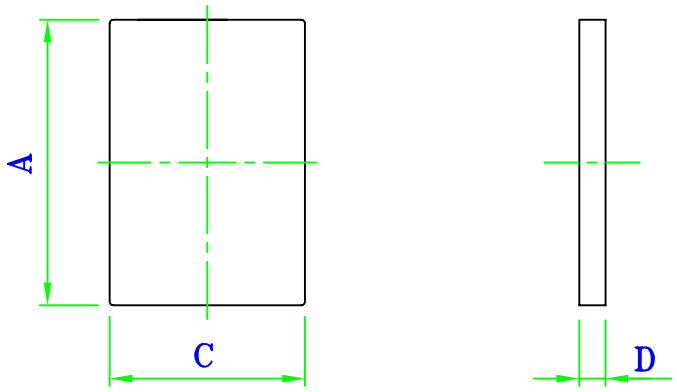


Fig2



MATERIAL: Mn-Zn:

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C	D	E	F	G	Fig
EQ 13×8.7×2.85	12.8±0.3	2.85±0.075	8.7±0.25	9.05±0.3	5±0.15	1.75±0.125	11.2±0.3	1
I 13×1.1	12.8±0.3		8.7±0.25	1.1±0.1				2

ER

SHAPES

Fig1

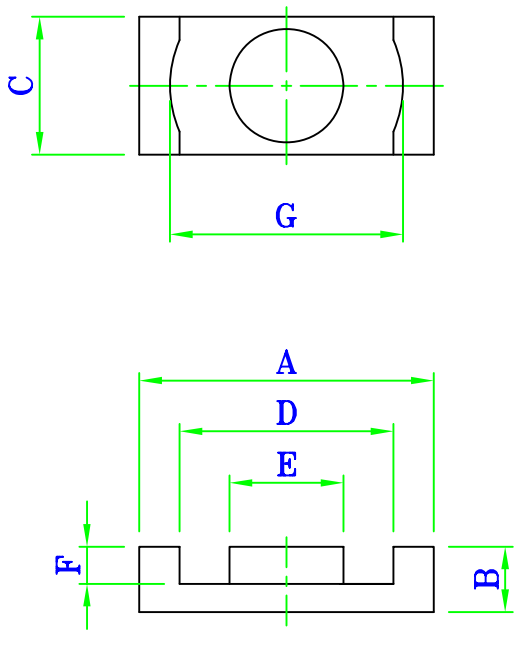
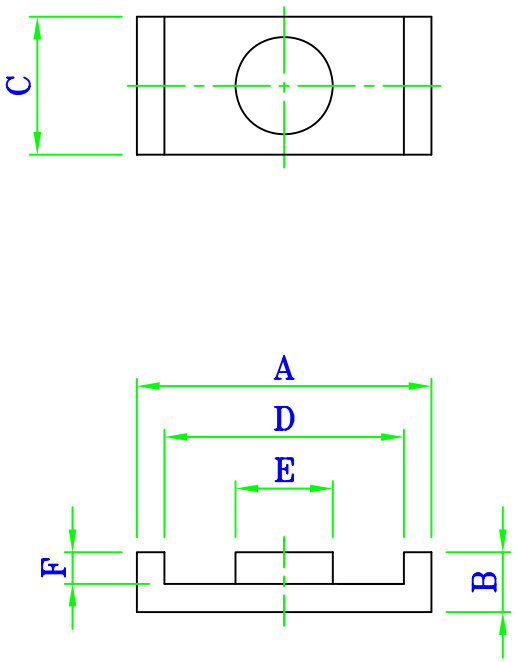


Fig2



MATERIAL: Mn-Zn: JP40

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

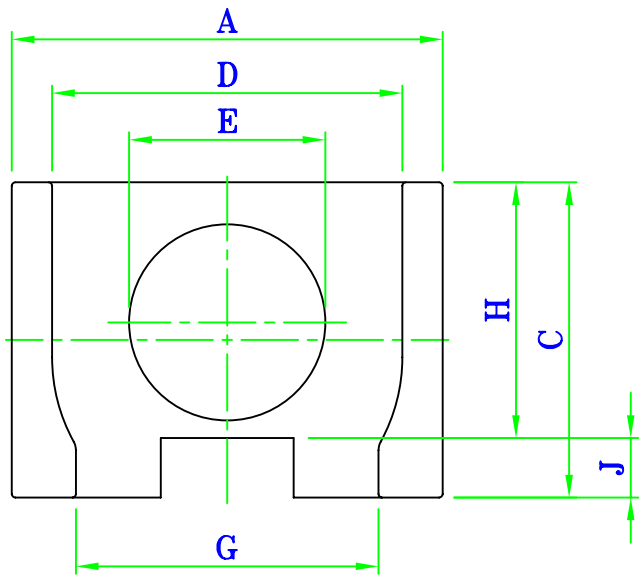
ITEM	A	B	C	D	E	F	G	Fig
ER 7.5	7.5±0.15	2.5±0.1	4.0±0.1	5.7±0.1	2.6±0.1	$1.725^{+0.1}_{-0.05}$	$6.1^{+0.25}_{-0}$	1
ER 9.5	$9.5^{+0}_{-0.3}$	2.45±0.05	$5^{+0}_{-0.2}$	$7.1^{+0.2}_{-0}$	$3.5^{+0}_{-0.2}$	$1.6^{+0.15}_{-0}$	$7.5^{+0.25}_{-0}$	1
ER 11	$11^{+0}_{-0.35}$	2.45±0.05	$6^{+0}_{-0.2}$	$8^{+0.2}_{-0}$	$4.25^{+0}_{-0.25}$	$1.5^{+0.15}_{-0}$	$8.7^{+0.3}_{-0}$	1
ER 14.5	14.5±0.2	2.95±0.05	$6.8^{+0}_{-0.2}$	11.8±0.2	$4.8^{+0}_{-0.2}$	$1.55^{+0.2}_{-0}$		2

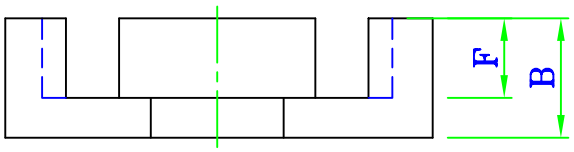
ITEM	ALnH±25%							
	JP40	J2M	J2	J3	J4	J5	J6	J7
ER 7.5	670							
ER 9.5	610 min							
ER 11	870 min							
ER 14.5	1280 min							

* "B" DIMENSION IS ADJUSTABLE IN REASONABLE EXTENT

ERC

SHAPES





MATERIAL: Mn-Zn: JP40

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	C	D	E	F	G	H	J
ERC 12.3x9x2.45	12.3±0.2	2.45±0.05	9.0±0.15	10±0.15	5.5±0.1	1.1±0.07	8.60±0.15	7.3±0.15	1.7REF.

PQ (Planar core)

SHAPES

Fig1

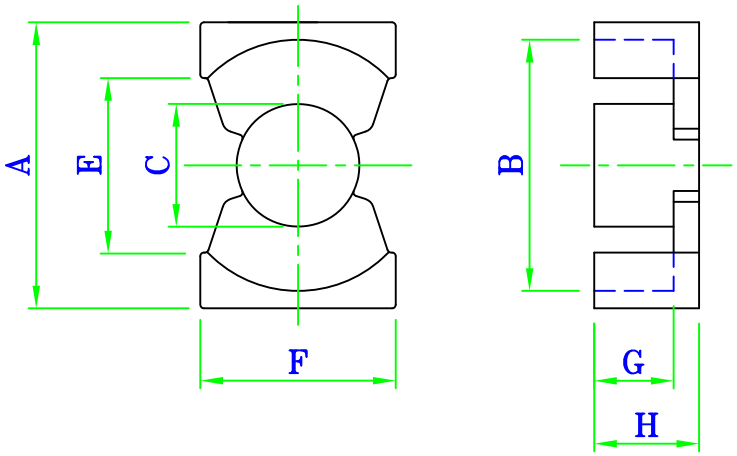
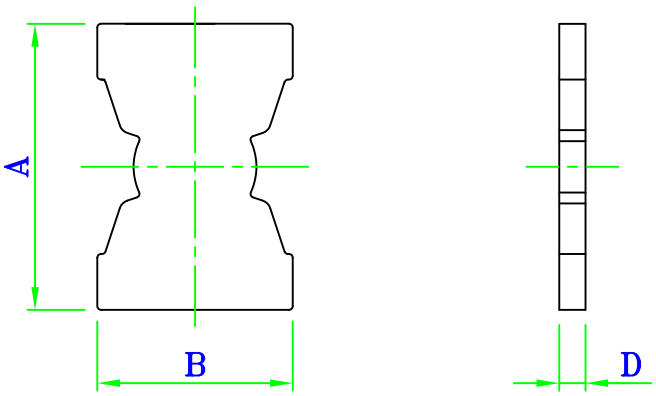


Fig2



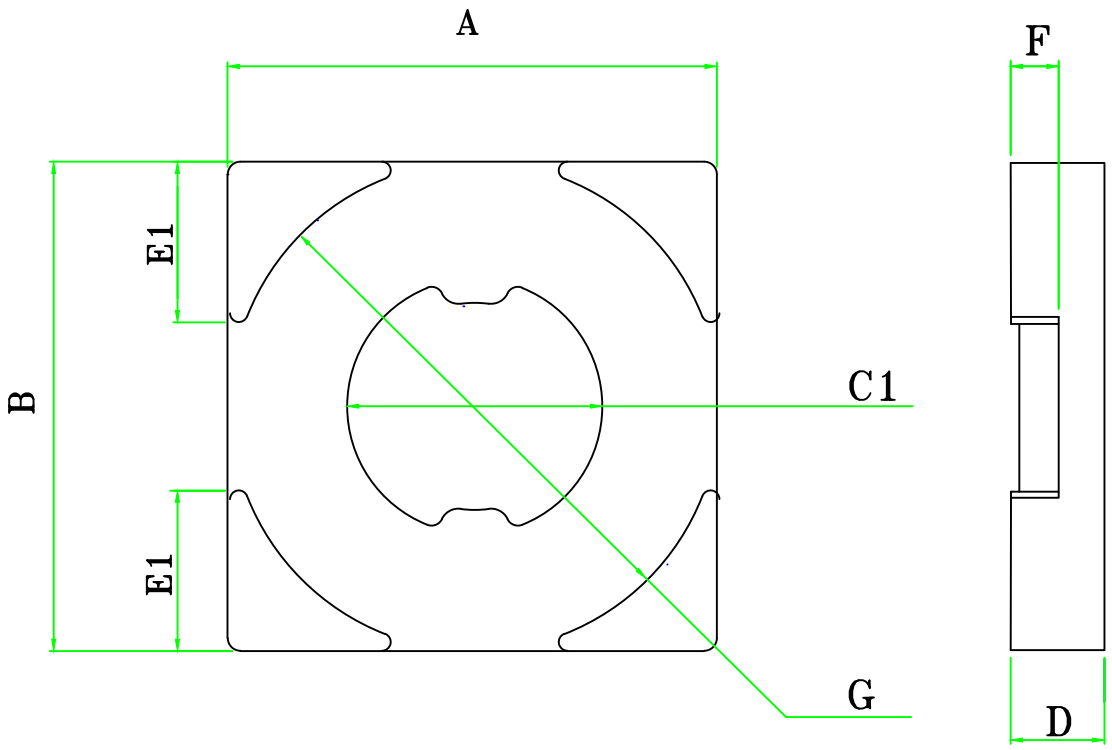
MATERIAL: Mn-Zn:

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C	D	E	F	G	H	Fig
PQ 20×14×10	20.5±0.4	18±0.4	8.8±0.2		12-0	14±0.4	7.05±0.15	10±0.1	1
PQ 20×14×8.1	20.5±0.4	18±0.4	8.8±0.2		12-0	14±0.4	5.15±0.15	8.1±0.1	1
PQ 16×11×5.4	16.4±0.3	14.4±0.3	7.0±0.2		9.6-0	11.2-0.3	3.05±0.15	5.4±0.1	1
I 20×3	20.5±0.4	14±0.4		3.0±0.1					2
I 16×2.35	16.4±0.3	11.2±0.3		2.35±0.1					2

XE

SHAPES



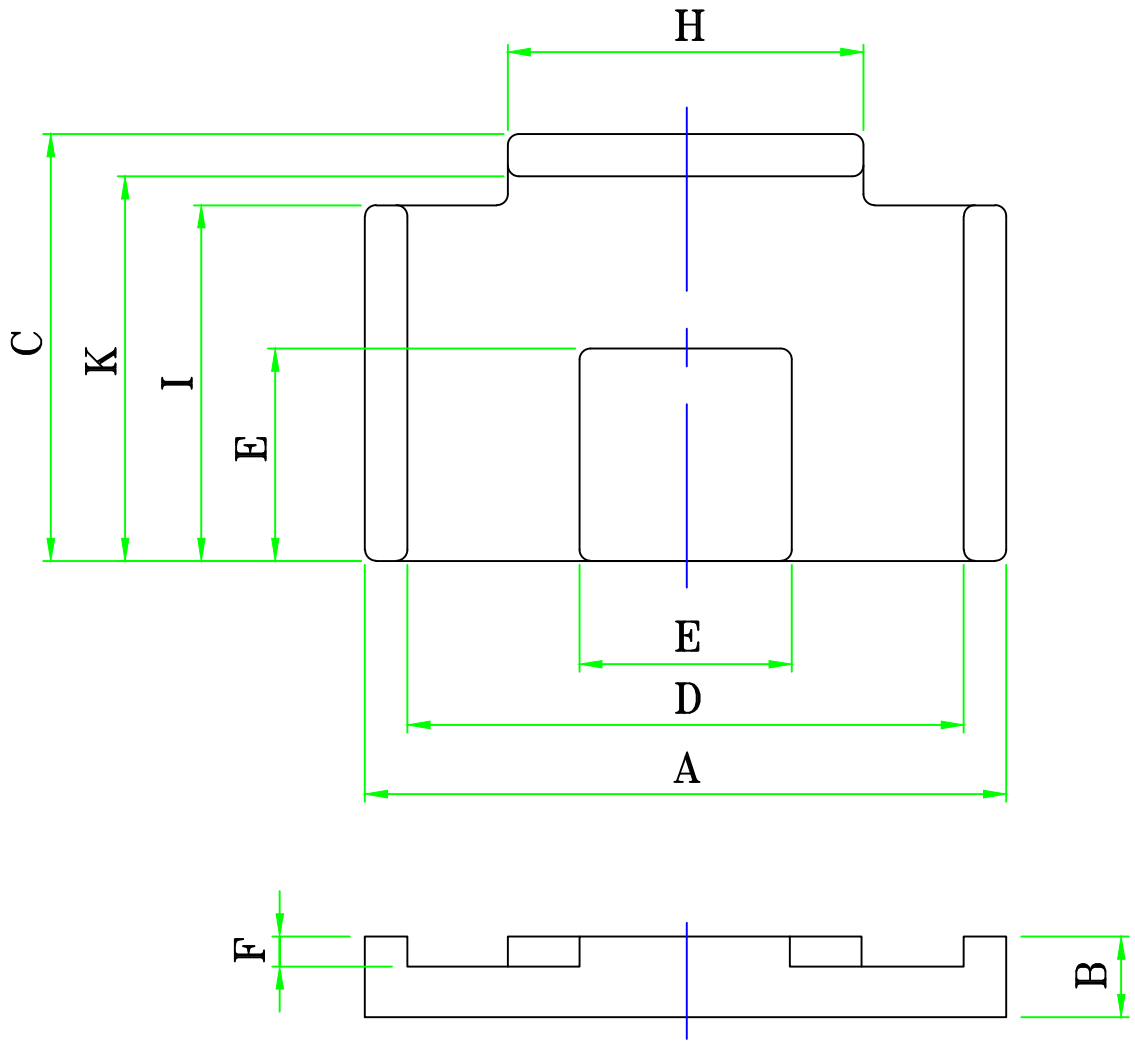
MATERIAL: Mn-Zn:

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C1	D	E1	F	G
XE 30×30×4.55 4T	29.97±0.51	29.97±0.51	15.64±0.26	4.55±0.13	10.04±0.2	$1.52^{+0.25}_{-0}$	29.97±0.51
XE 36.73×36.76×5.21 4T	36.73±0.72	36.73±0.72	19.18±0.4	5.21±0.13	12.22±0.25	$1.52^{+0.25}_{-0}$	36.73±0.72

SEP

SHAPES



MATERIAL: Mn-Zn:

DIMENSIONS OF MAIN PRODUCTS (unit:mm)

ITEM	A	B	C	D	E	F	H	I	K
SEP 33.99×23.67×4.6	33.99±0.5	4.6±0.15	23.67±0.4	27.53±0.4	13.36±0.25	$1.47^{+0.2}_{-0}$	19.05±0.3	19.05±0.3	20.5±0.25
SEP 53.7×37.4×7.26	53.7±1.07	7.26±0.13	37.4±0.75	43.66±0.87	21.11±0.42	$1.47^{+0.2}_{-0}$	30.1±0.6	30.1±0.6	32.39±0.65

UI-(1) (Frame and Bar core)

SHAPES

Fig1

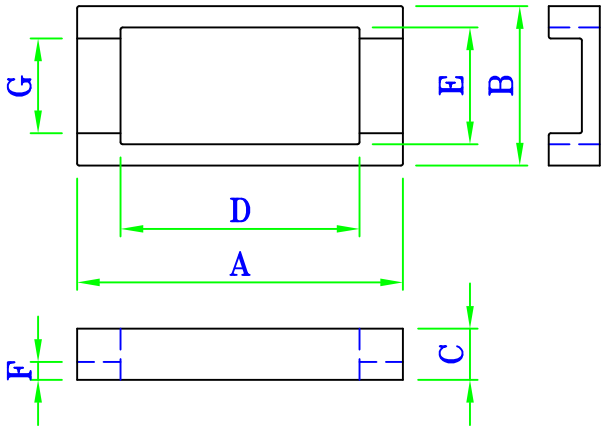


Fig2

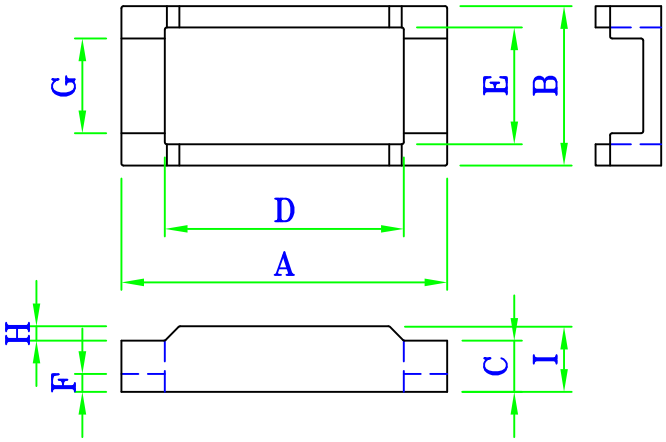
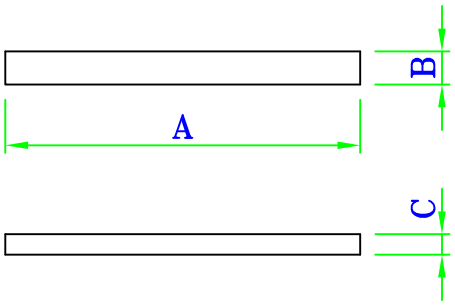


Fig3



MATERIAL: Mn-Zn: JP40

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM		A	B	C	D	E	F	G	I	Fig
UI 27×3.8×9	U 27×3.8×9	26.7±0.7	9±0.3	3.8±0.2	19.7±0.6	6.5±0.2	1.3±0.1	5±0.1		1
	I 28×2.3×3.8	28±0.5	3.8±0.1	2.3±0.1						3
UI 20×5×15	U 20×5×15	19.7±0.3	14.8±0.3	4.6±0.1	15.6±0.15	11.4±0.25	1.8±0.1	7±0.1		1
	I 20×3×5.5	19.9±0.3	5.45±0.15	2.85±0.05						3
UI 21×4×12	U 21×4×12	21±0.2	11.8±0.25	3.5±0.1	16.2±0.15	8.9±0.2	1.2±0.1	7±0.1		2
	I 22×2×6	21.8±0.3	5.5±0.2	1.8±0.1						3
UI 24×3.5×10	U 24×3.5×10	23.8±0.3	9.8±0.2		19.2±0.3	7.3±0.2	1.3±0.05	5.7±0.1	3.5±0.05	2
	I 25×2.2×4	24.7±0.3	4.4±0.2	2.15±0.05						3

UI-(2)

SHAPES

Fig1

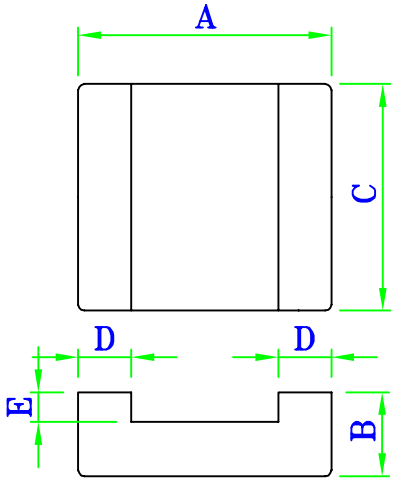


Fig2

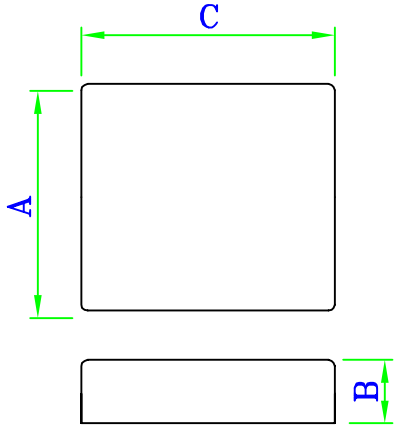


Fig3

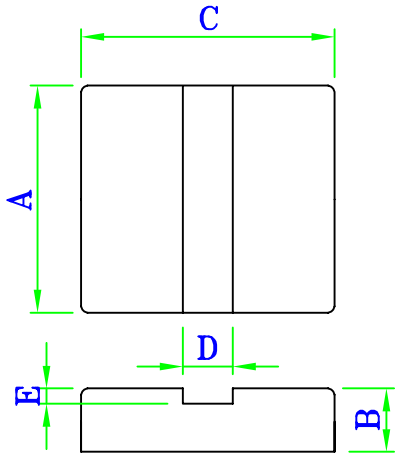
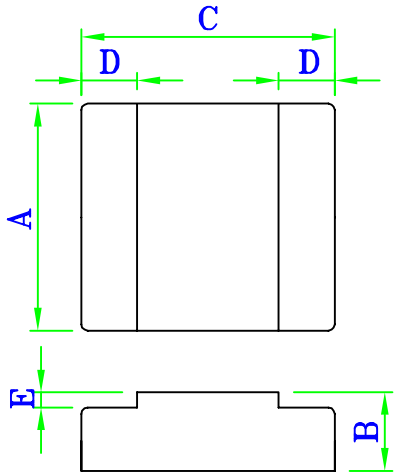


Fig4



MATERIAL: Mn-Zn:

DIMENSIONS OF MAIN PRODUCTS (UNIT: mm)

ITEM	A	B	C	D	E	Fig
U 11.2×3.8×9.5	11.2±0.205	3.85±0.102	9.5±0.205	2.42±0.102	1.5±0.075	1
I 9.5×2.35×11.2	9.5±0.205	2.35±0.102	11.2±0.205			2
U 17.27×4.7×13.97	17.3±0.25	4.7±0.125	14±0.25	2.8±0.125	1.9±0.125	1
I 13.97×2.79×17.27	14±0.125	2.8±0.125	17.3±0.25			2
U 6.35×6.35×2.38	6.35±0.1	2.38±0.05	6.35±0.1	1.65±0.1	$0.33^{+0.06}_{-0.02}$	1
I 6.35×6.35×2.15	6.35±0.1	2.15±0.05	6.35±0.1	1.4±0.1	0.22±0.05	4
U 6.45×9×2.39	6.45±0.1	2.39±0.05	9±0.1	1.7±0.1	$0.34^{+0.06}_{-0.03}$	1
I 6.45×9×2.2	6.45±0.1	2.2±0.05	9±0.1	1.5±0.1	0.23±0.05	4
U 6.35×6.35×1.55	6.35±0.1	1.55±0.05	$6.35^{+0.15}_{-0.10}$	1.3±0.1	0.45±0.05	1
I 6.35×6.35×1.2	6.35±0.1	1.2±0.05	6.35±0.1	0.82±0.05	0.15±0.025	3
U 6.35×6.35×1.45	6.35±0.1	1.45±0.05	$6.35^{+0.15}_{-0.10}$	1.3±0.1	0.35±0.05	1
I 6.35×6.35×1.15	6.35±0.1	1.15±0.05	6.35±0.1	1.4±0.1	0.20±0.05	3