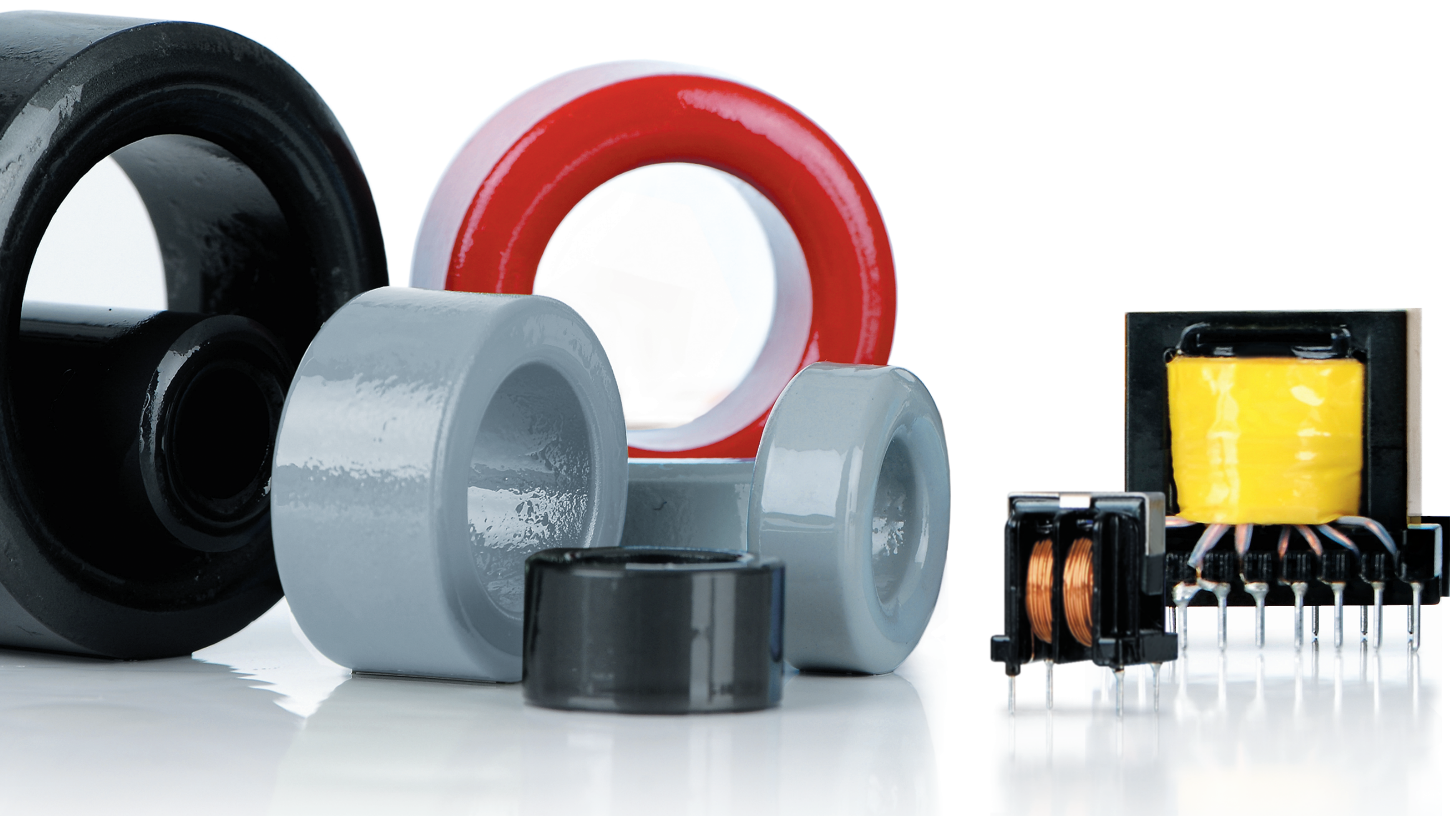
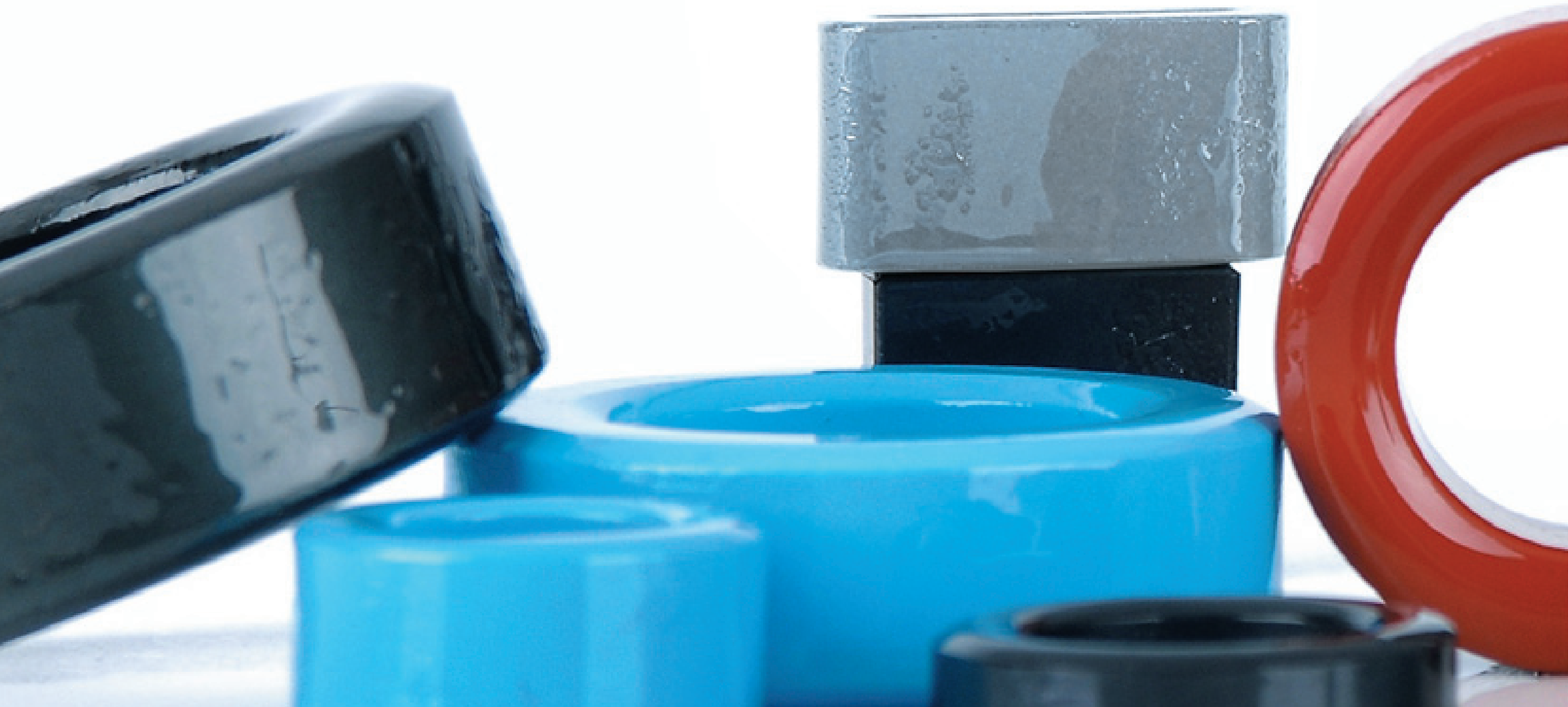
FEELUX

Ferrite Cores Catalogue





CONTENTS

필룩스 소개

필룩스는 인류의 미래를 풍요롭게 만들려는 꿈을 갖고, 1975년 소재 부품을 연구하고 제조하는 보암 전기전자재료 연구소로 시작하여 전자소재 및 부품을 연구하며 쌓은 노하우를 점차 조명산업으로 집중 시키면서 현재 여러 가지 신기술을 보유한 조명회사로 성장하였습니다.

필룩스가 조명 기술 분야에서 일궈낸 성과는 국내 조명 기술 발전의 초석이 되어 왔고, 이에 조명기술 분야에서 뛰어난 기술력을 보유, 세계에서 가장 경쟁력있는 전자, 조명회사로 자리매김 하고 있습니다.

이러한 성과는 인류의 미래를 풍요롭게 만들려는 꿈이 있어 가능했습니다.

필룩스가 추구하는 경영은 고객의 이익을 우선하는 필룩스 정신의 발현입니다. 고객의 소리에 귀 기울이고 고객의 이익에 최선을 다하는 필룩스로 거듭나겠습니다.

경기도 양주시 소재 필룩스

감 성 조 명® 을 선도하는 기업

주식회사 필룩스

이제 감성조명®의 시대입니다. 인간의 눈에 가장 편안한 빛은 자연의 빛이라는 사실을 아십니까?

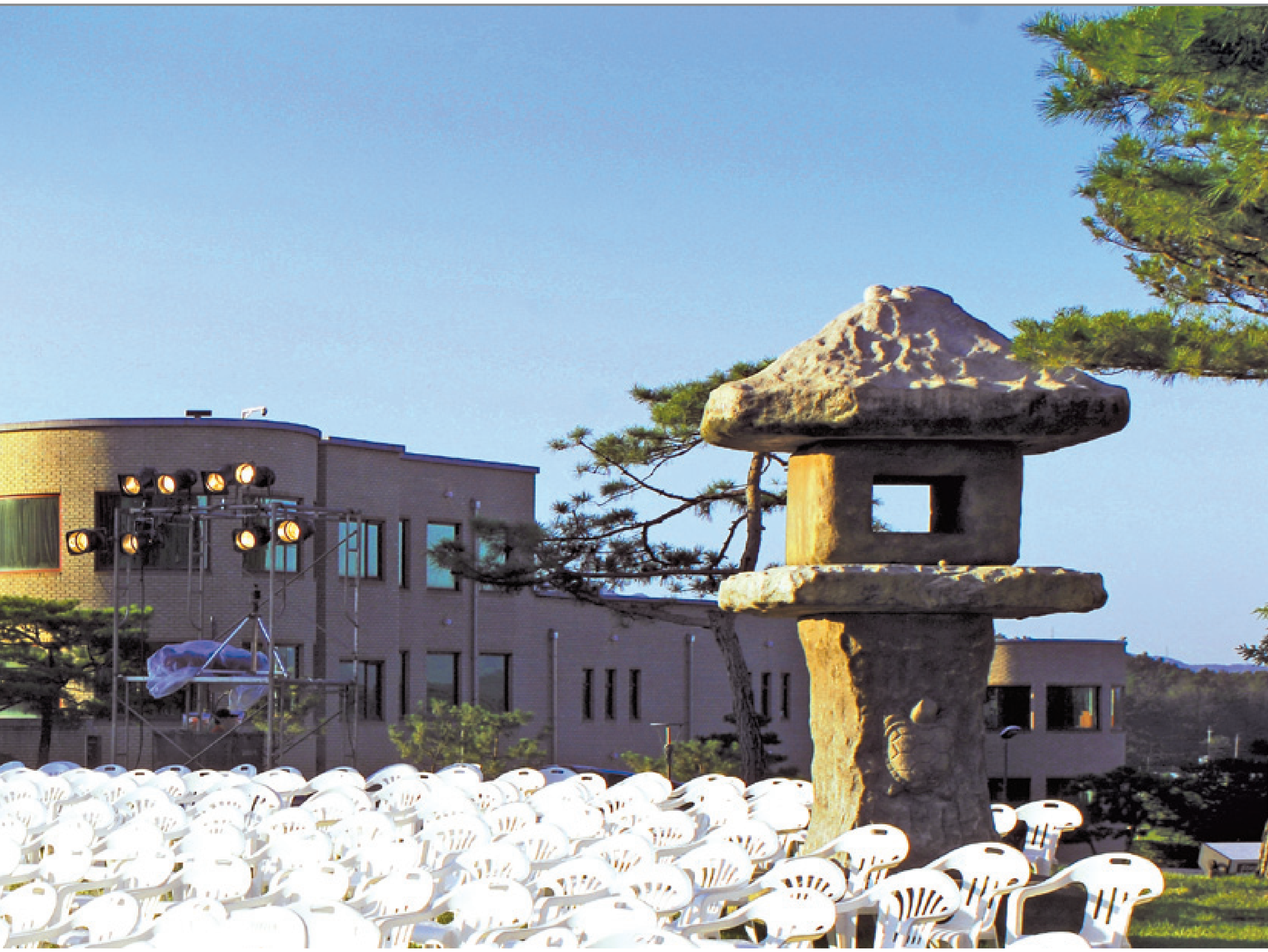
태양빛의 스펙트럼 특성과 하루의 빛의 리듬, 계절적인 빛의 변화에 모든 동식물들은 다양한 생리적 반응을 일으키도록 되어 있습니다. 그만큼 색온도의 심적인 효과를 조명계획에 의도적으로 사용하는 것은 공간을 한층 더 쾌적하게 만드는 수단이 될 수 있습니다.

필룩스는 인간의 눈에 가장 편안한 빛을 구현하고자 자연의 빛을 응용한 감성조명®을 실현시키고 있습니다. 감성조명®은 시시각각 변화하는 태양빛처럼 사람의 심리상태와 몸상태에 맞춰서 색온도와 밝기를 조절하여 인간의 감성을 최고조로 높여줍니다. 그 효과로 업무능률과 학습능률을 극대화 시키고, 삶을 풍요롭게 밝혀줍니다. 필룩스의 감성조명®은 새로운 조명문화입니다. 이제부터 필룩스의 감성조명®으로 실내에서도 보다 인간 중심적인 자연조명의 변화를 연출하십시오.

이제, 조명이 인생을 바꿉니다.

디자인상 수상 매년 해외전시에 참가하고 있으며, 각종 부분의 수상 등 필룩스의 제품을 인정받고 있습니다.

혁신적인 디자인 제품으로 해외 바이어들의 적극적인 러브콜을 받고 있습니다.



회사연혁

2011	경제부하 경기도 최고의 작업 장소 수상
2010	한국 표준 승인 대상 수상
2008	2008 품질 경쟁력 우수기업 선정
	독일 프랑크 푸르트 Light + Building DESIGN PLUS 상 수상
2007	디밍 제어기술 우수 발명품 선정
	미국 라스베가스 LIF Innovation Awards 수상
	밀라노 리빙루체 Top Design상 수상
2005	KBS 신화창조 방영
2004	문화관광부 장관상 / 전기우수제품대전 대통령상 수상
	산동 필룩스연구소 설립완공
2003	필룩스 감성조명®체험관 개관
2002	필룩스 중국 연구소 설립완공
2001	해외현지법인 양광 필룩스 설립 / 한국증권거래소 상장
1997	수출 2천만불탑 수상
1996	해외현지법인 위해 필룩스 설립
1995	해외현지법인 인도네시아, 말레이시아 설립 / ISO 9001 인증 획득
1992	해외현지법인 중국 산동보암 설립
1990	조명기기 연구사업부 설립
1985	(주)필룩스 부설연구소 설립
1984	한국전자전 국무총리상 수상
	(주)보암산업 설립(2000년 6월 사명변경)

사업부문

감성문화 구현상품

- 감성조명®을 위한 조명기구, 스위치, 콘트롤러 시스템
- 조명문화 설계, 시공, 지원
- 감성문화를 선도하는 감성마스터 시스템

부품사업부문

- 스위칭 트랜스, 인버터, 노이즈 필터

소재사업부문

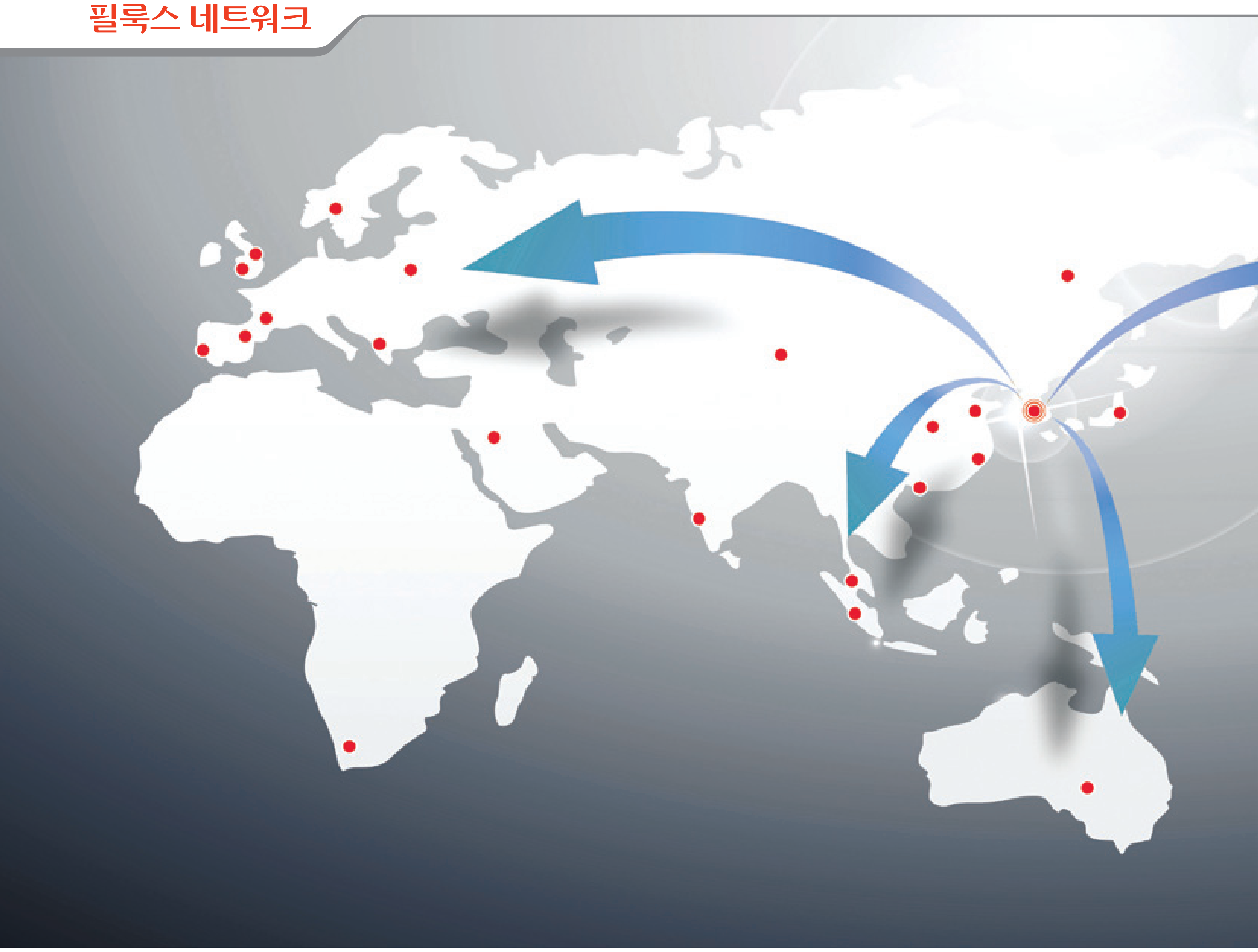
- 페라이트 코어

2007' LIVINLUCE TOP Designer상 수상

2007' LFI Innovation Awatds 수상

2008' Lighting&Building Design Plus 수상

필룩스 네트워크



세계속의 Feelux!

산동 필룩스 연구소

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No 307 wenhua west Road.
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city. Shandong Province. China
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SlimLamp, Deco Line, Stand controller
and others
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JL. Jababeka Raya Blok F-34, Cikarang
Industrial Estate Cikarang-Bekasi 17530, Indonesia
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Transformer, Filter, Ferrite Cores and others
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Fax : 62 21 893 6788

산동 필룩스

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No 159. Houju Rd., Hi-Tech IDZ. Weihai.
Shandong province. China
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STransformer, Line Filter, Ferrite Cores,
DecoLamp SlimLamp, T5 Fixtures and others
Tel : 86 631 568-3980~4
Fax : 86 631 522-4290

필룩스 말레이시아

Pt. 2117(A) P Perin R Senawang Jln Tampin
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Fax : 60 3 7722 3069

FEELUX

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Weihai City Shandong Province China
Production
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Slimline, SlimLamp, DimSlimLamp,
HP SlimLamp, T5 Fixtures and others
Tel : 86 575 213 7527
Fax : 86 575 213 8020

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Ballast, T5 Tube, SlimLamp, Compac Lamp
T5 Fixtures and others
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Fax : 86 575 213 8020

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필룩스 미국법인

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Sales Office

서울특별시 광진구 광장동 145-8
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Tel : +82-70-7780-8989
Fax : +82-70-7780-8999

Products

We, Feelux Co.,Ltd., is well known to the world-wide customer, who are working for the coil & its concerned industries, as good supporter in technical side and supplier with good delivery and bestquality in their products.

With the experience accumulated for over 20 years, Feelux has concentrated their full powerstodevelop the soft ferrite core and various coil components, Among them, it is very unique achivements for them to develop the total system to protect from them to develop the total EMC/EMI noise in all of electronic and electric equipments or products.

We are confident that such Feelux's comprehensive suggestion could make any engineer supressed effectively any electronic noise, which has been developed through their 20 years engagement for ferrite core, coil components and any electronic products such as electronic ballast for fluorescent light and transformer for Neon lamp.

EMI Core

EMI Material Characteristics

Characteristic	Symbol	Unit	Condition	K-100G	K-100G	K-150
AC initial permeability	μiac	-		700	1000	1500
Saturation flux density	Bs	mT	1194A/m	240	290	280
Residual flux density	Br	mT		160	120	140
Coercivity	Hc	A/m		30	15	15
Relative loss factor	tan δ/μi	$X10^{-6}$		30	30	25
			f(MHz)	0.1	0.1	0.1
Relative temperature factor	α μr	X10-6 %/℃	20℃~60℃	24	24	8
Curie temperature	Tc	℃		〉140	〉130	〉100
Resistivity	ρ	Ω · m	25℃	10^6	10^6	10^6
Density	d	$X10^3$ kg/m^3		$4.6X10^3$	$4.8X10^3$	$4.7X10^3$

Notes

1. This values were obtained with troidal core (TR25.2X16.8X8.4)
2. 1mT=10Gauss, 1A/m=4πX10^{-3} Oe
3. Impedance indicate a typical value of measured ones.

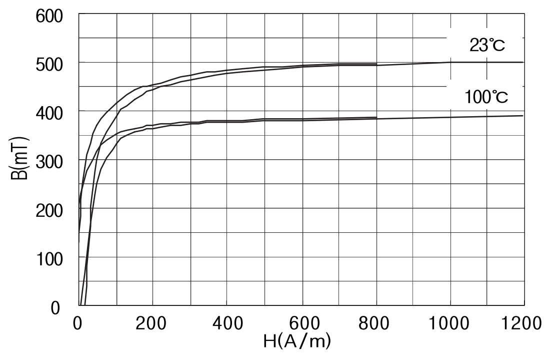
MATERIAL CHARACTERISTICS (Power material)

Characteristic	Symbol	Unit	Condition		J2A	J2B	J2C
AC initial permeability	μ iac	-			2400	2600	2300
Saturation magnetic Flux Density (1194A/m)	Bs	mT	23℃		500	490	510
			100℃		390	380	400
Residual flux density	Br	mT	23℃		150	130	95
Coercivity	Hc	A/m	23℃		14	11	14
Core loss	Pcv	kW/m^3	25kHz 200mT	23℃	145	120	
				60℃	95	75	
				80℃	75	60	
				100℃	75	60	
			100kHz 200mT	23℃	820	680	650
				60℃	620	500	500
				80℃	550	440	430
				100℃	550	440	400
Curie temperature	Tc	℃			〉210	〉210	〉230
Resistivity	ρ	Ω · m			6	7	3
Density	d	$X10^3$ kg/m^3			4.85	4.85	4.85

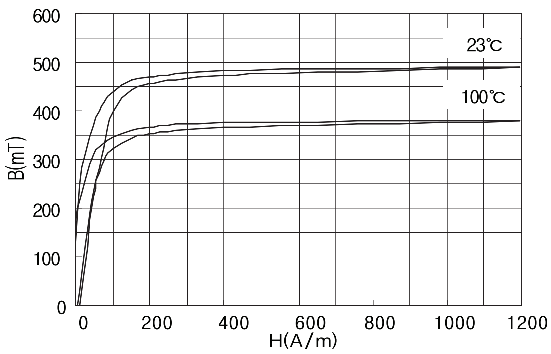
Notes

1. This values were obtained with troidal core (TR25.2x16.8x8.4)
2. 1mT=10Gauss, 1A/m=4πX10^{-3} Oe

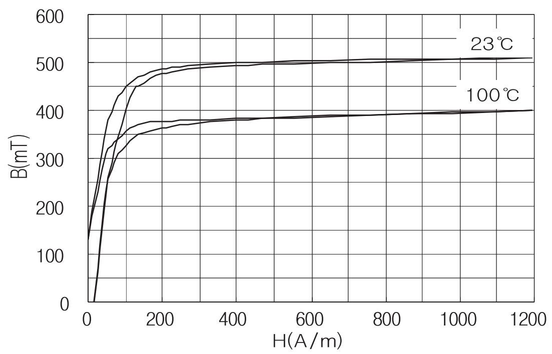
B-H curve(J2A)



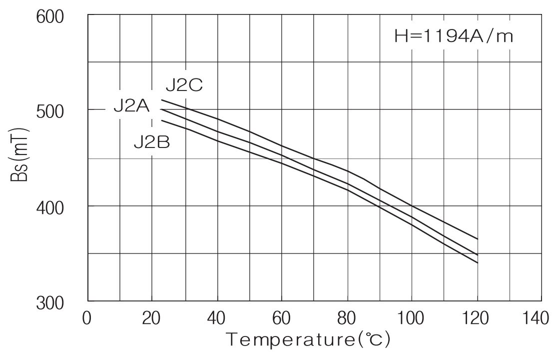
B-H curve(J2B)



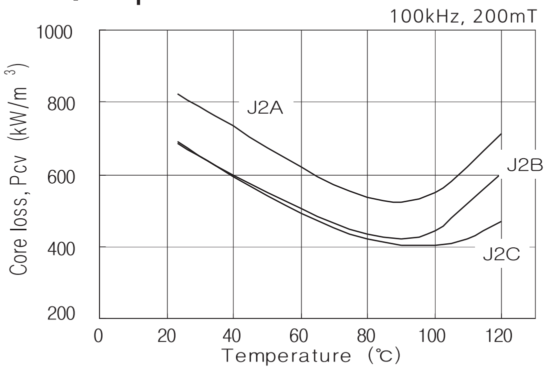
B-H curve(J2C)



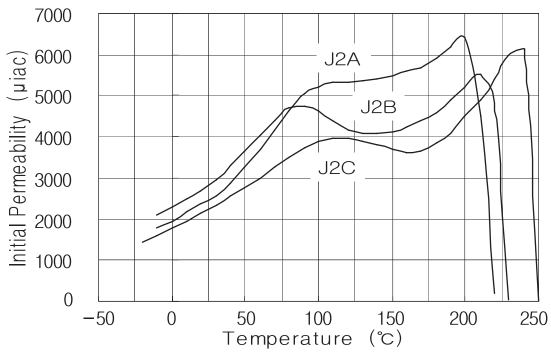
Flux density vs. Temperarure



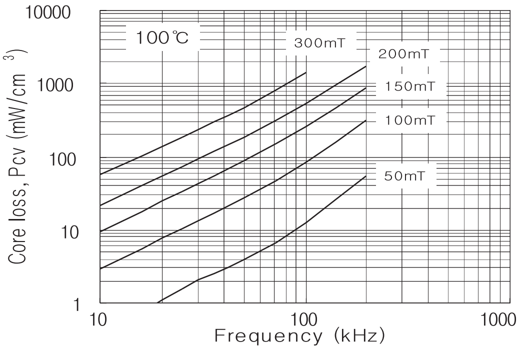
Core loss vs. Temperature



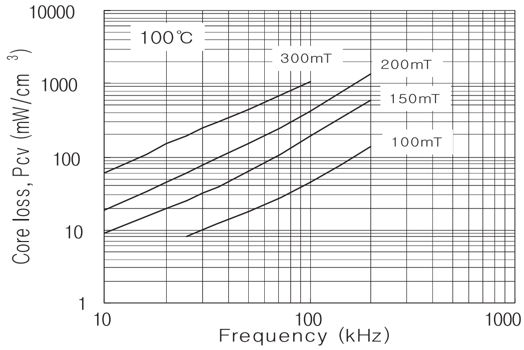
μ iac vs. Temperature



Pcv vs. Freq.(J2B)



Pcv vs. Freq.(J2C)



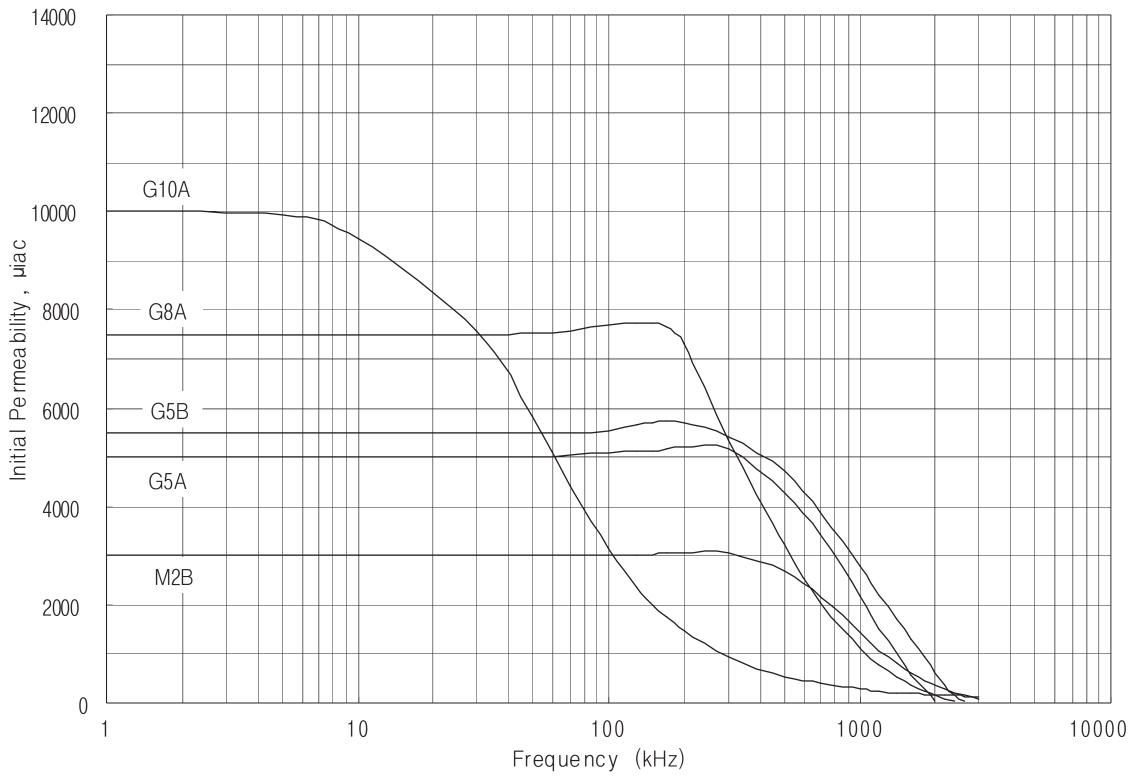
MATERIAL CHARACTERISTICS (High μ material)

Characteristic	Symbol	Unit	Condition	M2B	G5A	G5B	G8A	G10A
AC initial permeability	μiac	–		3000	5000	5500	7500	10000
Saturation magnetic Flux Density	Bs	mT	1194A/m	480	440	370	430	360
Residual magnetic Flux Density	Br	mT		180	150	70	120	100
Coercivity	Hc	A/m		10	11	5	8	3
Relative loss factor	tanδ/μi	$X10^{-6}$		〈20	〈20	〈10	〈10	〈10
			f(kHz)	100	100	10	10	1
Relative temp. factor	αμr	$X10^{-6}$%/℃	20℃~60℃		−0.5 ~1.5	−0.5 ~1.5	−0.5 ~1.5	−0.5 ~1.5
Curie temperature	Tc	℃		〉200	〉150	〉110	〉110	〉100
Resistivity	ρ	Ω · m		2	1	1.5	0.3	0.1
Density	d	$X10^3$ kg/m^3		4.8	4.8	4.8	4.9	4.9

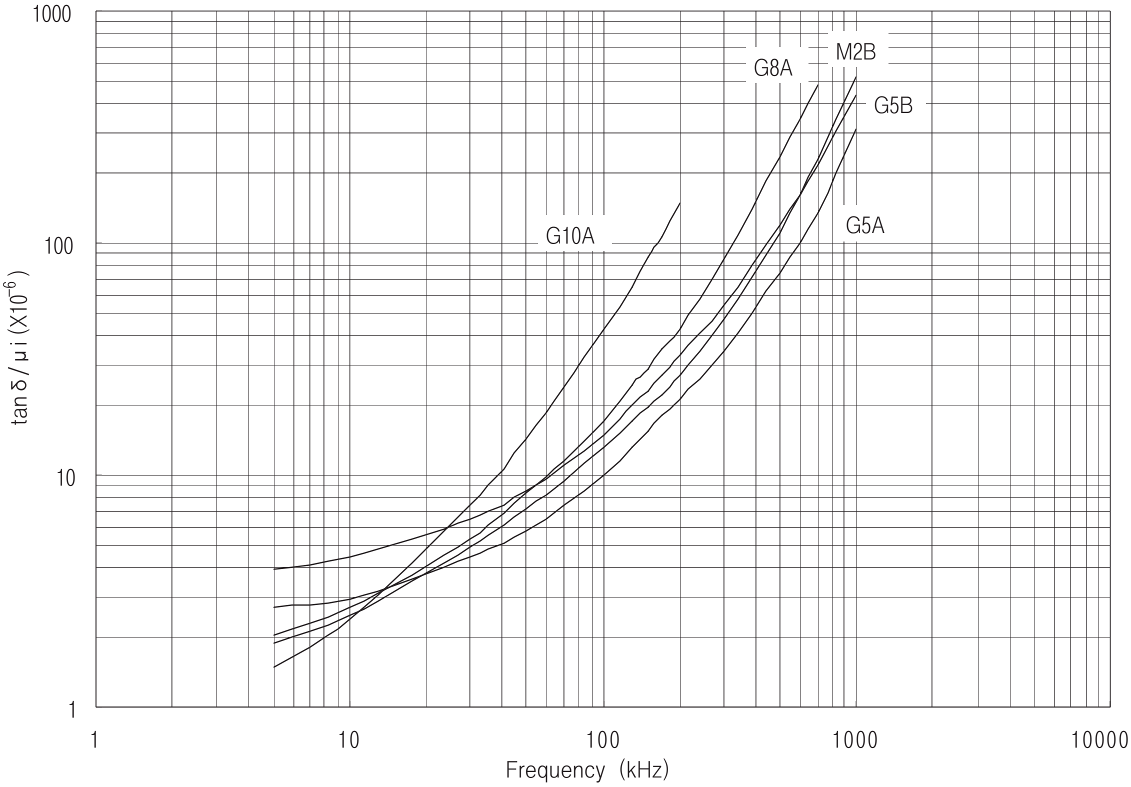
Notes

1. This values were obtained with troidal core (TR 25.2x16.8x8.4)
2. 1mT=10Gauss, 1A/m=4π $X10^{-3}$ Oe

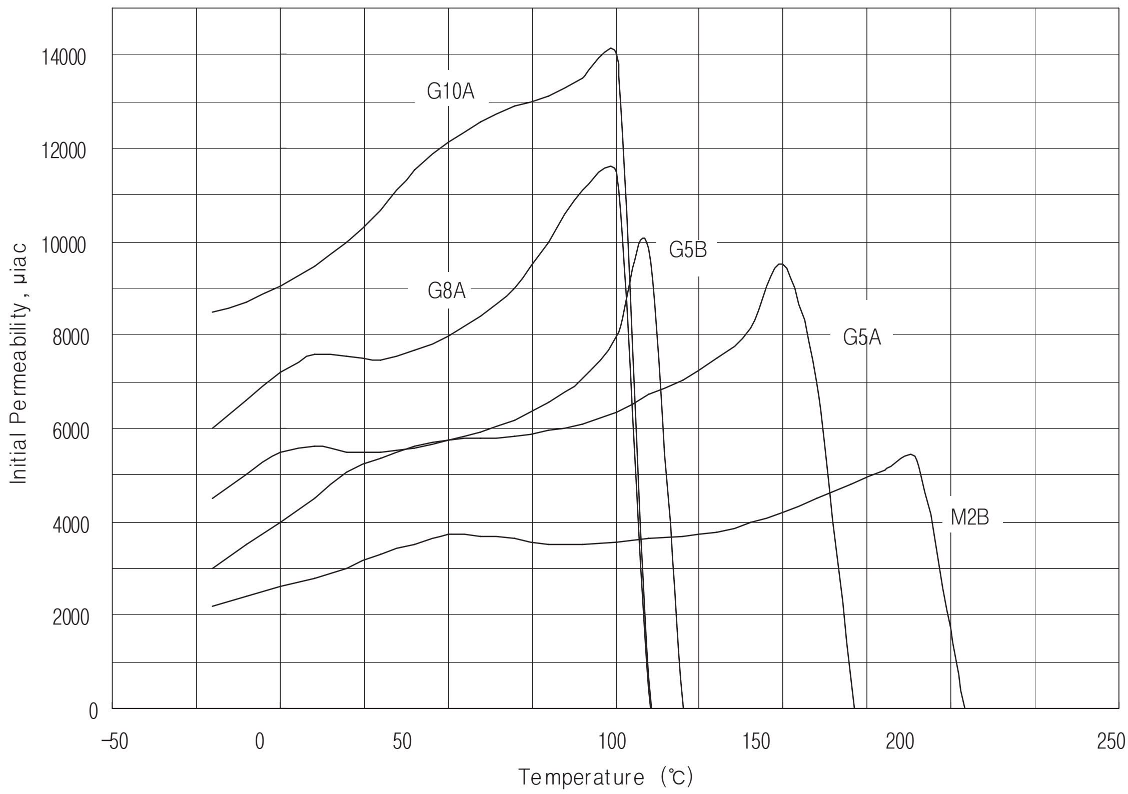
μi vs. Frequency



tan δ / μ i vs. Frequency

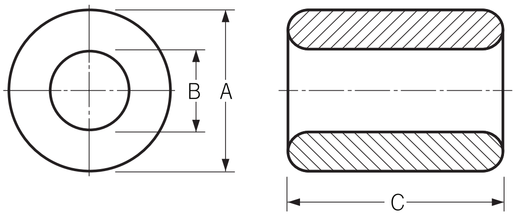


μ iac vs. Temperature

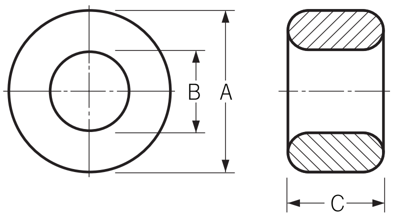


EMI Core_Shield Beads

OP CORES



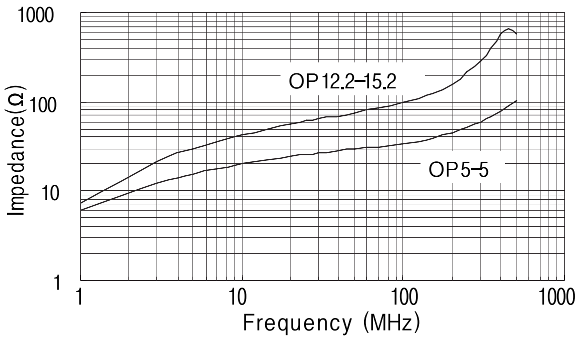
Type	Dimensions(mm)			Impedance (Ω,1turn)		
	A	B	C	10MHz	25MHz	100MHz
OP5-5	5.0+0/-0.2	2.5±0.1	5.0+0/-0.3	15	18	45
OP9.5-9.4	9.5±0.3	4.7±0.3	9.4±0.4	30	40	75
OP9.5-14	9.5±0.3	4.7±0.3	14.0±0.4	62	76	97
OP9.5-20	9.5±0.3	4.8±0.3	20±0.2	40	85	120
OP9.8	9.8±0.3	6.3±0.3	7.4±0.5	10	15	45
OP12-15	12.0±0.4	7.5±0.3	15.0±0.5	35	45	85
OP12-20	12.0±0.4	5.2±0.3	20.0±0.5	75	80	100
OP14-14	13.7±0.4	10.0±0.3	13.7±0.7	25	35	82
OP14(A)	14.3±0.4	8.2±0.3	23.5±0.7	48	75	116
OP14(B)	14.2±0.5	6.4±0.4	28.5±0.8	105	130	185
OP14(C)	14.3±0.4	7.2±0.4	15.0±0.6	40	50	70
OP14(E)	14.2±0.5	7.0±0.4	28.5±0.8	60	80	100
OP14(F)	14.2±0.5	9.0±0.5	24.5±0.5	50	64	100
OP16(A)	16.0±0.4	7.9±0.4	27.5±0.8	37	80	100
OP16(C)	16.0±0.5	7.9±0.4	17.0±0.5	50	70	80
OP18.1-12.1	18.1±0.4	9.5±0.4	12.1±0.5	42	60	97
OP18.4-28.3	18.4±0.5	9.9±0.4	28.3±0.8	94	132	185
OP18(A)	18.2±0.4	11.0±0.4	25.5±0.4	55	80	100
OP18(B)	18.2±0.5	9.5±0.4	28.2±0.8	70	90	150
OP18(C)	18.2±0.4	9.6±0.4	12.0±0.5	30	40	60
OP18(D)	18.2±0.4	9.6±0.3	10.0±0.4	16	30	45
OP18(E)	18.2±0.4	12.5±0.3	25.5±0.5	35	50	90
OP18.5-28.5	18.5±0.4	11.5±0.5	28.5±1.0	40	60	110
OP28	27.5±0.8	14.0±0.5	28.2±1.0	70	90	120



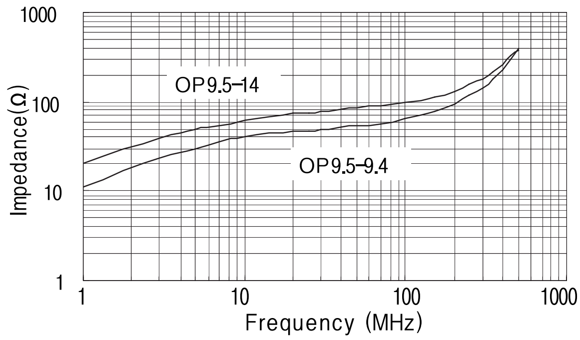
Type	Dimensions(mm)			Impedance (Ω,2turn)		
	A	B	C	10MHz	25MHz	100MHz
RING9.8	9.8±0.4	4.9±0.4	5.1±0.5	81	105	135
RING12.5	12.2±0.3	7.6±0.4	5.4±0.4	54	68	110
RING15	14.5±0.5	7.5±0.4	7.0±0.4	77	123	206
RING18	18.0±0.5	11.2±0.4	6.0±0.4	70	85	120
RING18.4	18.4±0.5	11.1±0.4	6.1±0.4	66	93	141
RING23.5	23.5±0.6	12.6±0.5	9.4±0.6	129	160	216
RING28-10	28.0±0.6	15.4±0.5	10.0±0.5	120	160	240
RING28-13	28.0±0.6	15.4±0.5	13.0±0.5	178	230	324
RING29	29.0±0.6	19.2±0.6	7.6±0.5	67	88	147
RING34	34.5±0.6	21.0±1.0	12.0±0.7	105	160	300
RING34.5	34.5±0.6	20.8±0.5	12.3±0.7	124	179	282

Impedance vs. Frequency Characteristics.

OP 5-5 & OP 12.2-15.2

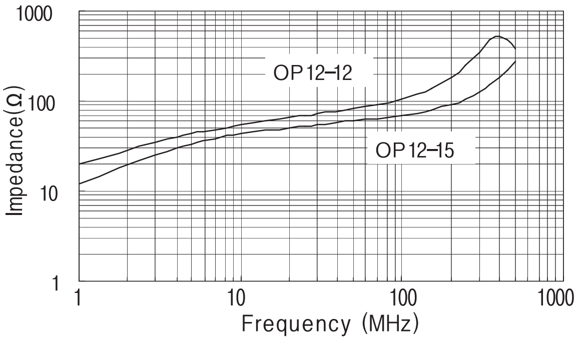


OP 9.5-9.4 & OP 9.5-14

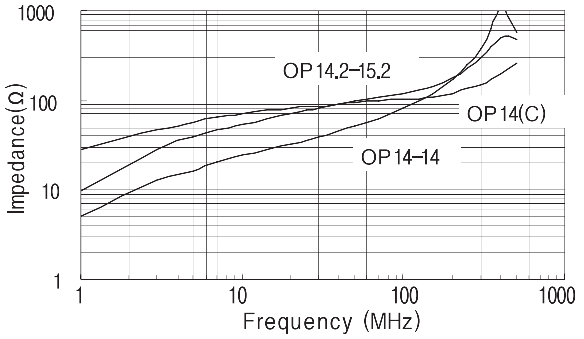


Shield Beads _ RING CORES

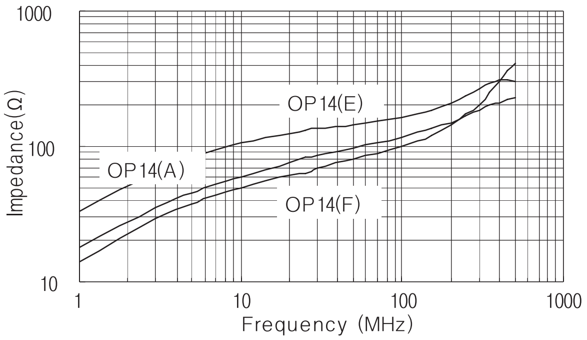
OP 12-12 & OP 12-15



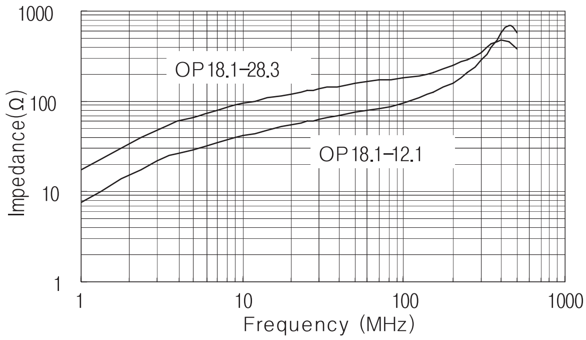
OP 14.2-15.2, OP 14-14 & OP 14(C)



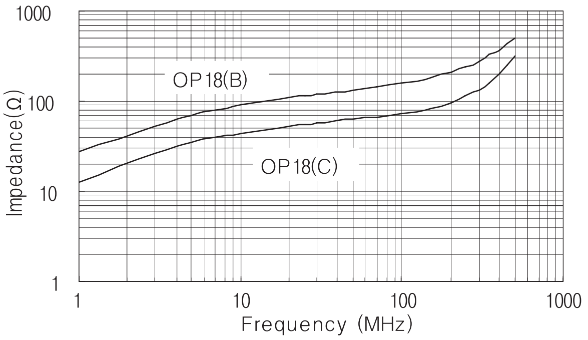
OP 14(A), OP 14(E) & OP 14(F)



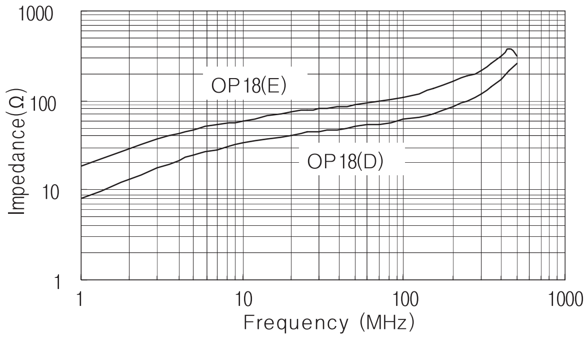
OP 18.1-12.1 & OP 18.4-28.3



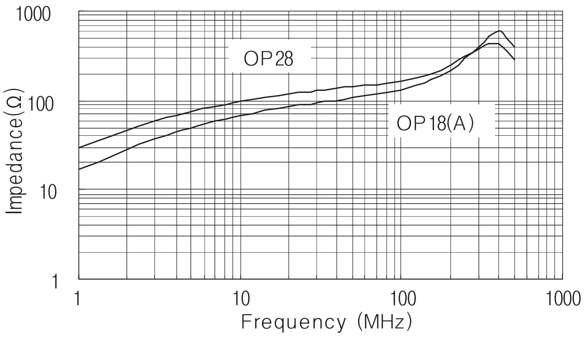
OP 18(B) & OP 18(C)



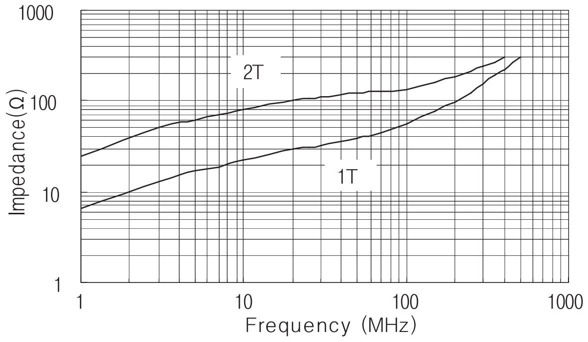
OP 18(D) & OP 18(E)



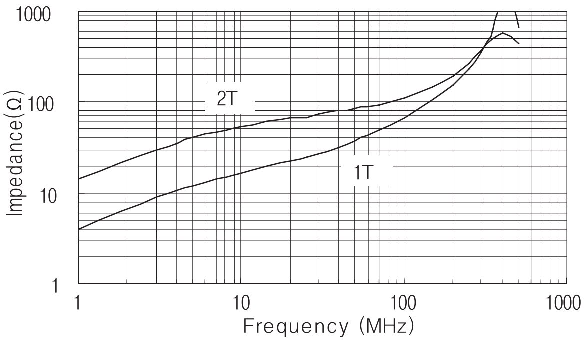
OP 18(A) & OP 28



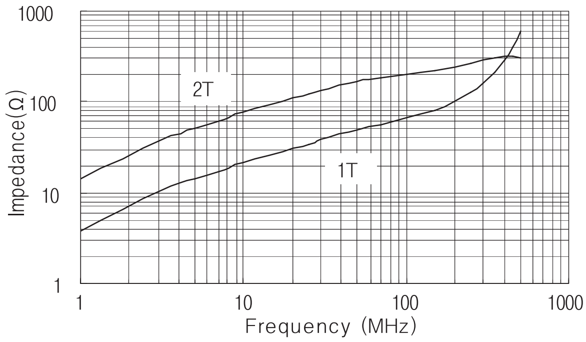
RING 9.8



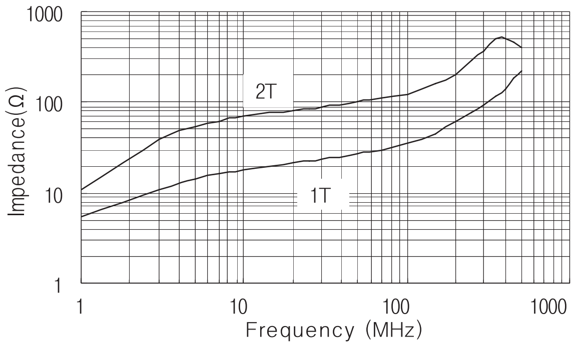
RING 12.5



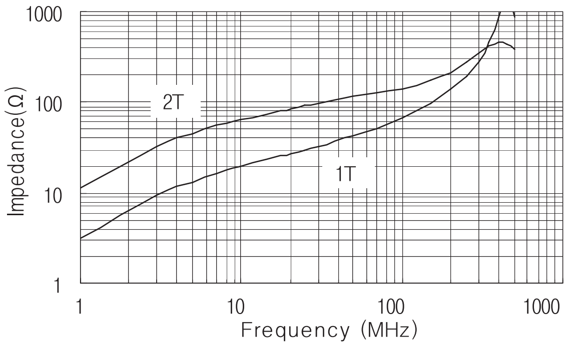
RING 15



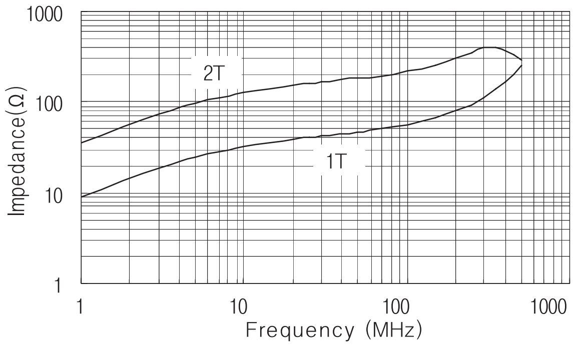
RING 18



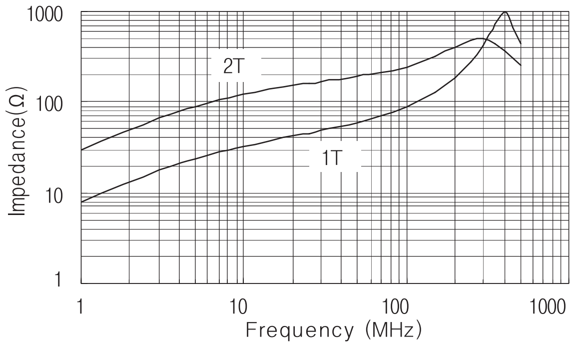
RING 18.4



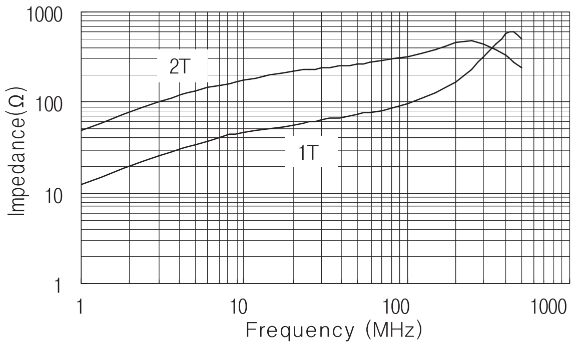
RING 23.5



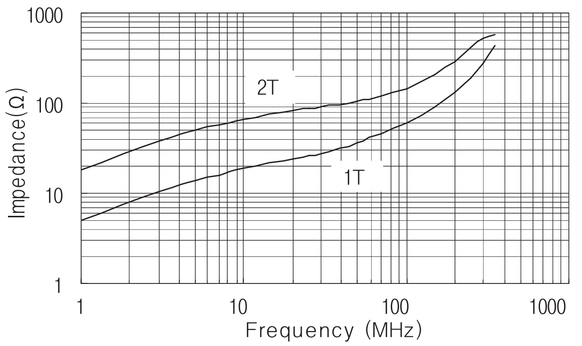
RING 28-10



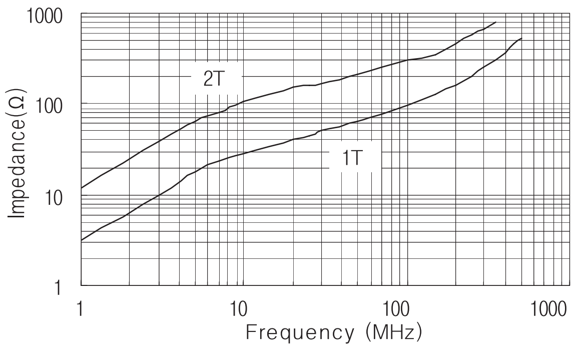
RING 28-13



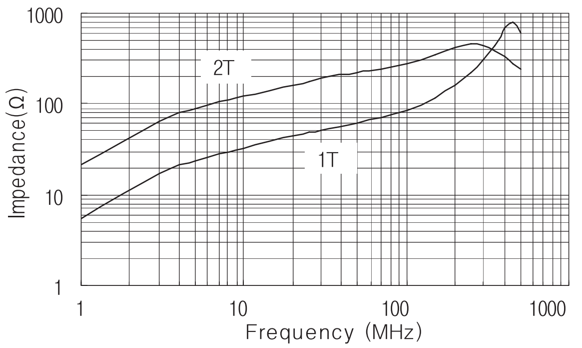
RING 29



RING 34



RING 34.5



EMI Core_Split Ferrite Core Filters For Round Cables (Clamp Type)

BNF CORES

Internal Construction

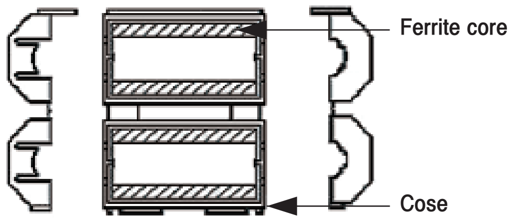


Fig. 1

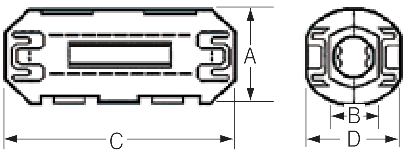


Fig. 4

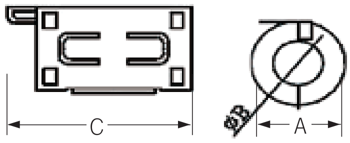


Fig. 7

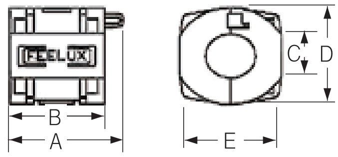


Fig. 2

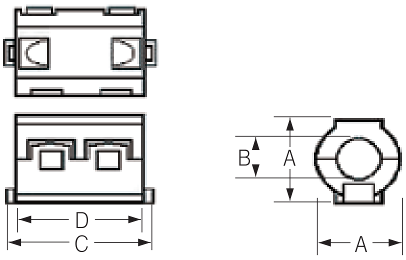


Fig. 5

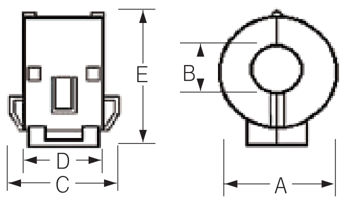


Fig. 8

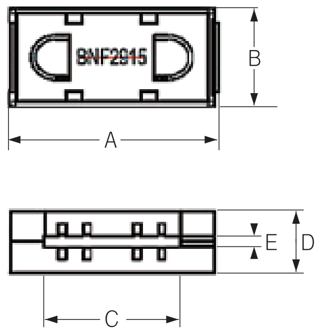


Fig. 3

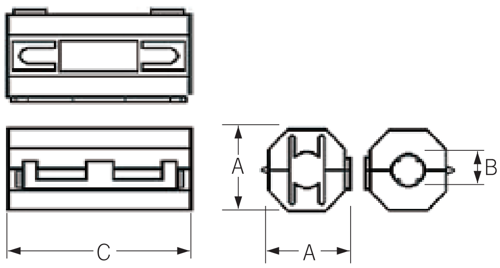
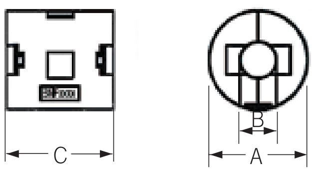


Fig. 6



Features

A seperated troidal core with a plastic case.
A applicable cable diameter is from 4.5mm to 12.5mm.

Applications

PC, Printers, Facsmiles, Copiers, HDD,

Materials of Case

Nylon UL94V-0

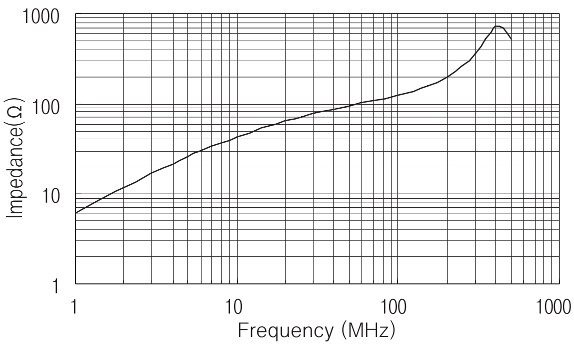
Color

Gray or Balck

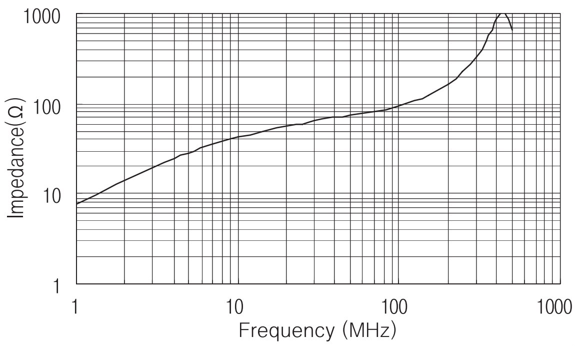
Type	Fig No.	Dimensions(mm)					Impedance (Ω min , 1turn)		
		A(Max.)	B(Max.)	C(Max.)	D(Max.)	E(Max.)	10MHz	25MHz	100MHz
BNF-1525	1	14.0	4.5	26.0	12.5		40	55	100
BNF-12	2	17.0	6.0	24.0	19.0		20	25	50
BNF-14	3	21.0	6.5	32.5			70	120	220
BNF-18	3	25.0	9.0	32.5			50	80	150
BNF-27	3	34.5	12.5	32.5			60	130	200
BNF-12H	4	16.5	6.0	23.0	19.0		25	45	65
BNF-2629	4	31	12	40	35		80	110	110
BNF-1130	4	21.5	10	37	33		20	60	110
BNF-0930	1	20.5	8	36	19		50	80	140
BNF-1730	1	17.5	6	31	16		30	50	110
BNF-1528F	1	22	7.3	37	15		60	90	180
BNF-1010	5	25.5	9.5	21	14	30	15	35	75
BNF-1512	5	30	14	23	17	34	18	30	70
BNF-2915	8	33.5	17.5	22	11.5	2.0	10	25	80
BNF-0822	6	20	8	22			30	48	110
BNF-0917	7	21	17	9	20	18	20	35	80

Impedance vs. Frequency Characteristics.
(Impedance indicate a typical value of measured ones, Test wire:0.6mmφ wire 100mm 1turn)

BNF-1525



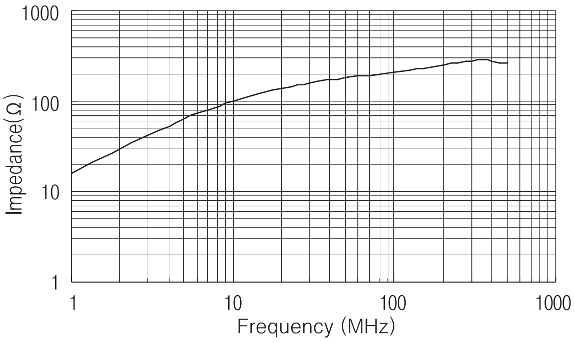
BNF-12



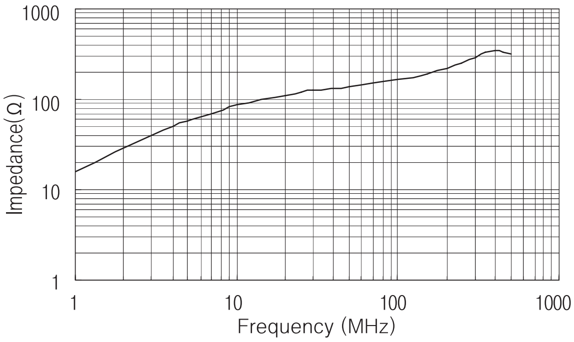
Split Ferrite Core Filters For Round Cables (Clamp Type) - BNF CORES

Split Ferrite Core Filters For Round Cables (Clamp Type) _BNF CORES

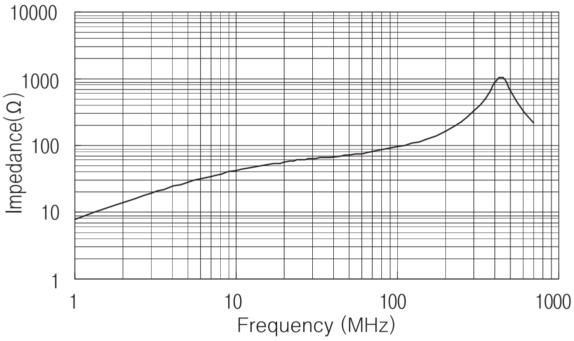
BNF –14



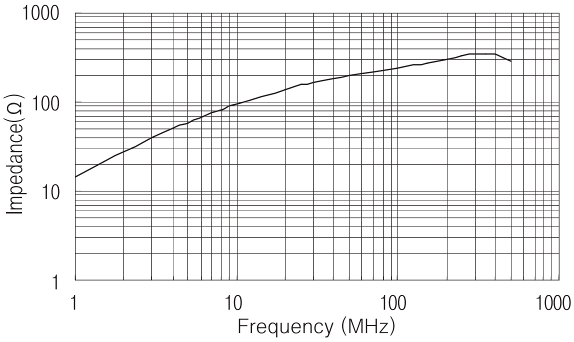
BNF –18



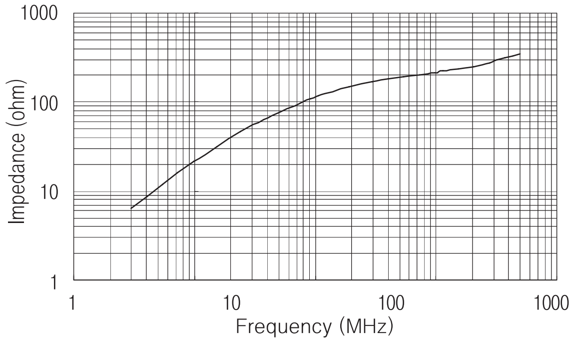
BNF –12H



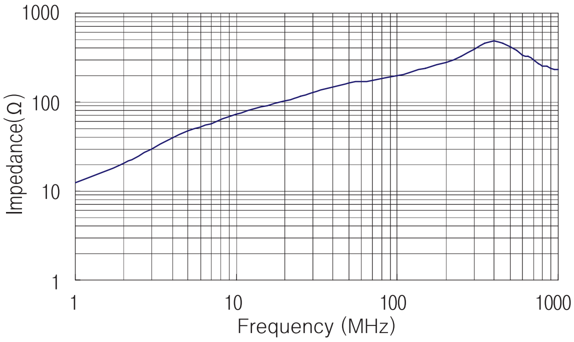
BNF –27



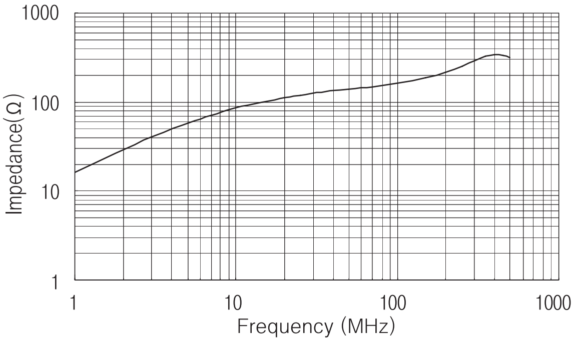
BNF –2629



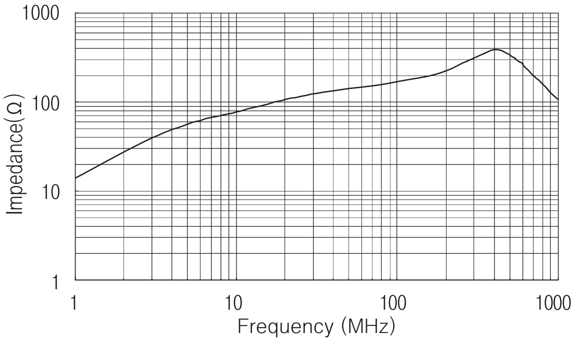
BNF –1130



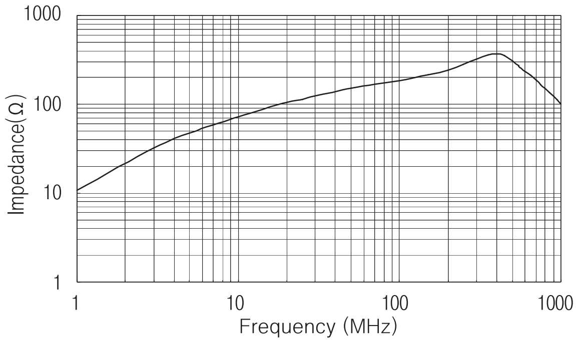
BNF –1528F



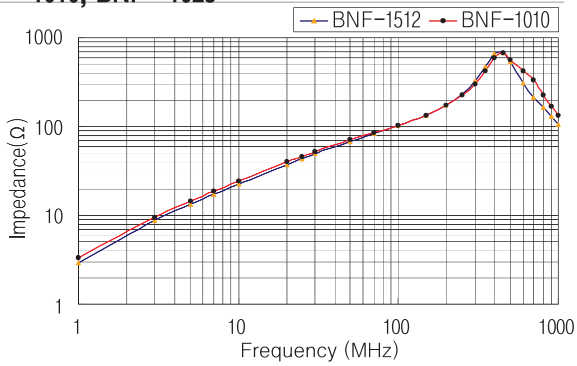
BNF –1730



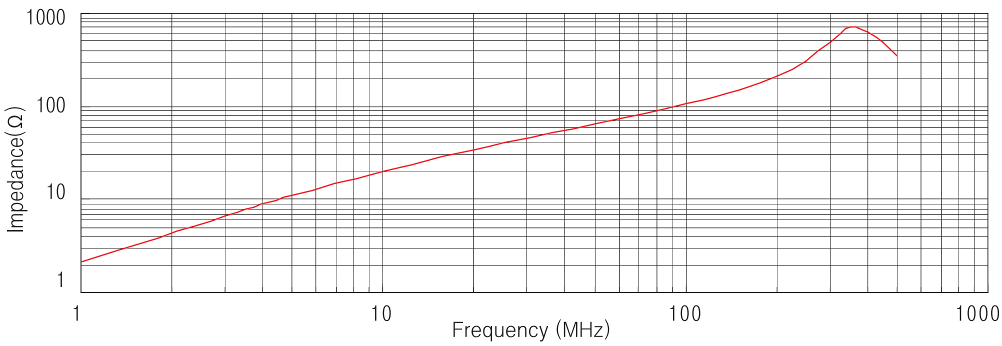
BNF -0930



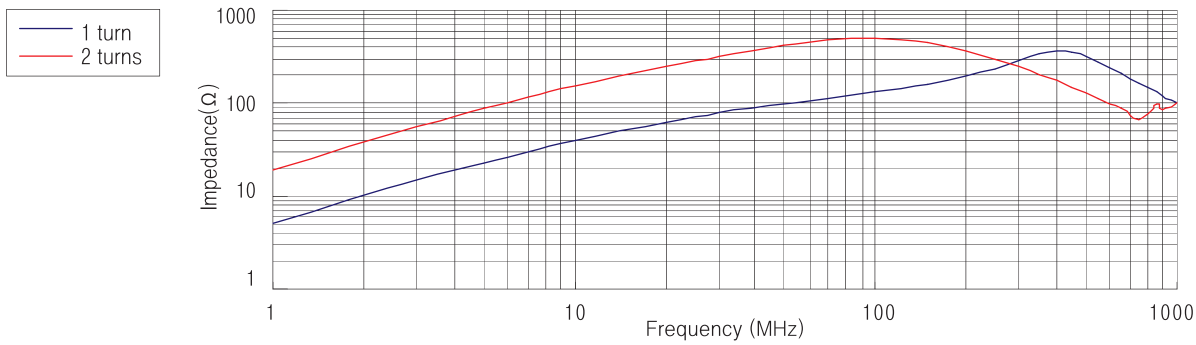
BNF -1010, BNF -1025



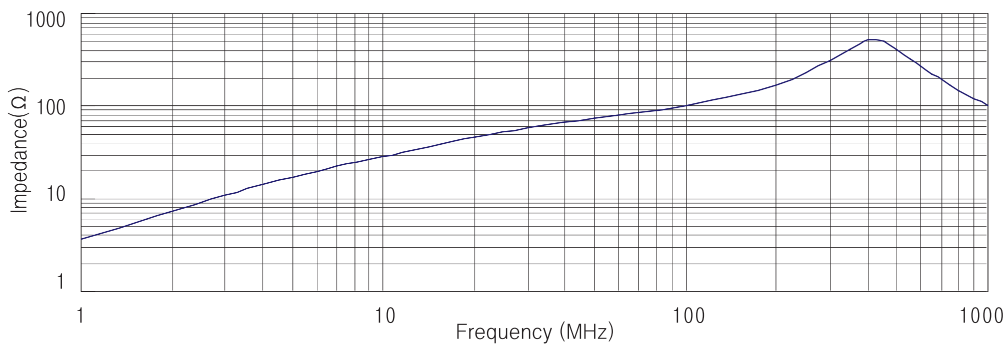
BNF -2915



BNF -0822



BNF -0917



EMI Core_SR, Tile Cores

CABLE SUPPRESSION CORES

Fig. 1

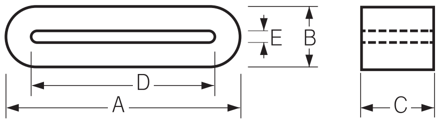


Fig. 2

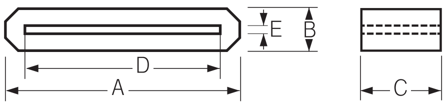
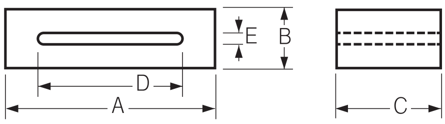


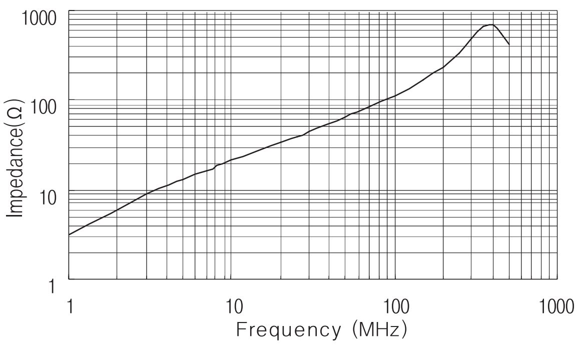
Fig. 3



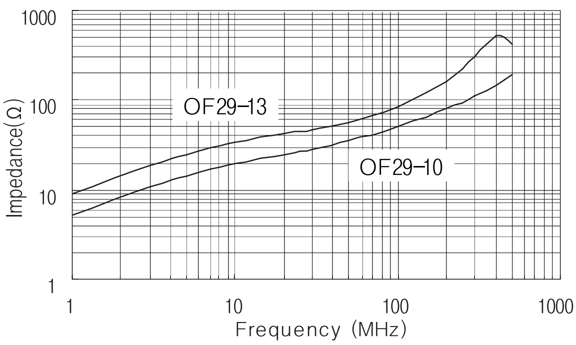
Type	Fig No.	Dimensions(mm)					Impedance (Ω,1turn)		
		A	B	C	D	E	10MHz	25MHz	100MHz
OF14-14	2	14.0±0.7	5.0±0.5	14.0±0.5	10.3±0.6	1.3±0.5	15	20	70
OF19-14	1	19.0±0.8	6.5±0.5	14.0±0.5	13.7±0.6	1.3+0.5−0.3	15	35	80
OF22.35-19.05	3	22.35±0.51	7.75±0.4	19.0±0.6	14.0±0.4	1.5±0.25	40	70	120
OF25-12	1	25.0±0.7	5.0±0.5	12.0±0.4	21.0±0.5	1.1±0.2	20	40	110
OF29-10	1	29.0±0.5	8.0±0.4	10.0±0.5	22.0±0.5	$2.0^{+0.4}_{-0.2}$	19	27	50
OF29-15	1	29.0±0.5	8.0±0.4	15.0±0.5	22.0±0.5	$2.0^{+0.4}_{-0.2}$	34	44	85
OF33-8	2	33.0±0.5	6.5±0.3	8.0±0.5	27.0±0.6	1.5±0.2	13	20	50
OF33-12	2	33.0±0.5	6.5±0.3	12.0±0.5	27.0±0.6	1.5±0.2	22	36	98
OF33-30	2	33.0±0.5	6.5±0.3	30.0±0.6	27.0±0.6	1.5±0.3	30	40	110
OF40-8	2	40.0±0.6	6.5±0.3	8.0±0.5	34.0±1.0	1.5±0.2	15	24	57
OF40-12	2	40.0±0.6	6.5±0.3	12.0±0.3	34.0±1.0	1.5±0.2	20	34	94
OF40-28	2	40.0±0.6	28.0±0.5	6.5±0.3	34.0±0.6	1.5±0.2	41	67	145
OF45-12	2	46.0±1.0	6.5±0.3	12.0±0.3	40.0±1.0	1.5±0.2	10	20	60
OF46-12	1	46.0±1.0	5.0±0.5	12.0±0.5	41.5±1.0	0.8±0.5	10	20	70

Impedance vs. Frequency Characteristics.

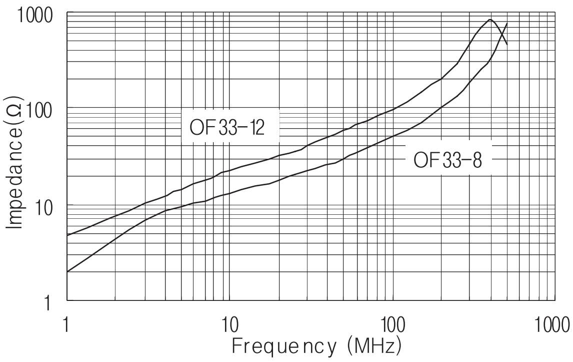
OF25-12



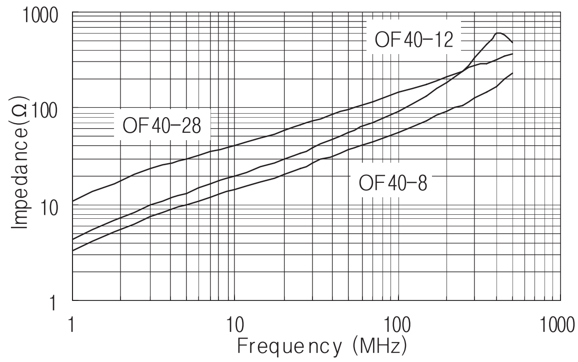
OF29-10 & OF29-15



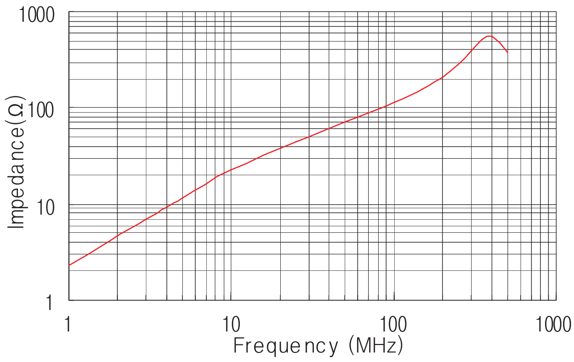
OF33-8 & OF33-12



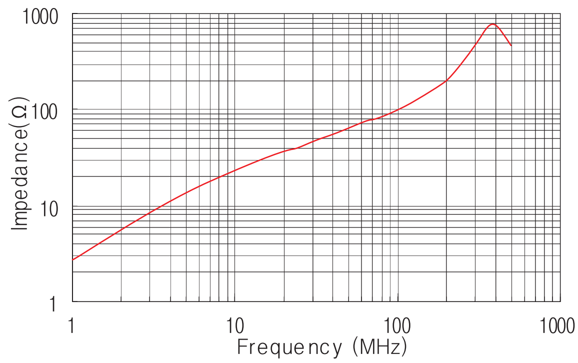
OF40-8, OF40-12 & OF40-26



OF46-12

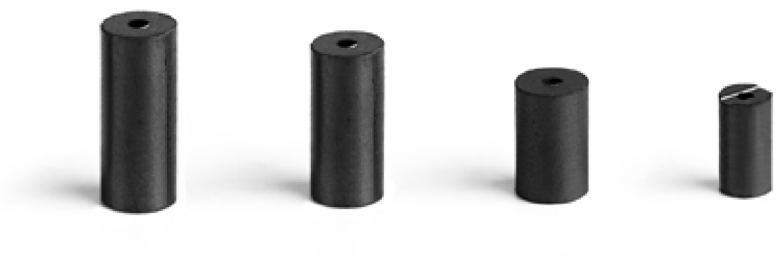


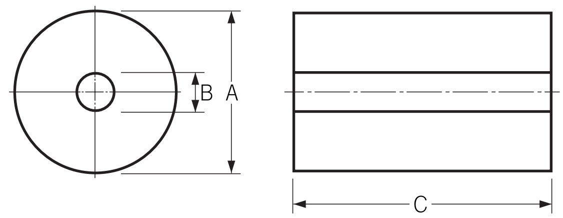
OF14-14



EMI Core_Beads On Lead

BEAD CORES

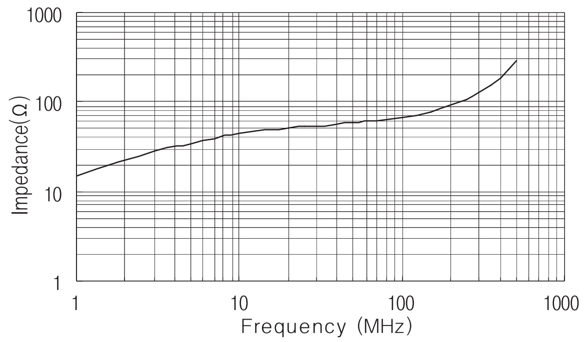




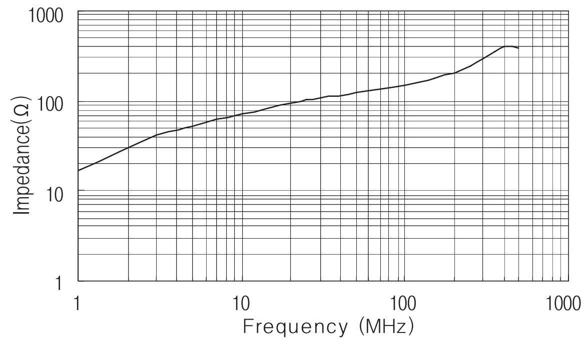
Type	Dimensions(mm)			Impedance (Ω,1turn)		
	A	B	C	10MHz	25MHz	100MHz
BC2550	2.5±0.15	0.8±0.15	5.0±0.25			50 min
BC3857	3.6±0.3	1.0±0.1	5.7±0.4	44	53	68
BC3881	3.8±0.3	0.8±0.1	8.1±0.4	70	100	150
BC3550	3.5±0.3	1.0±0.1	5.0±0.3			60 min
BC3890	3.8±0.3	0.8±0.1	9.0±0.4	40 min		
BC 3565	3.5±0.3	0.8±0.15	6.5±0.5			160 min

Impedance vs. Frequency Characteristics.

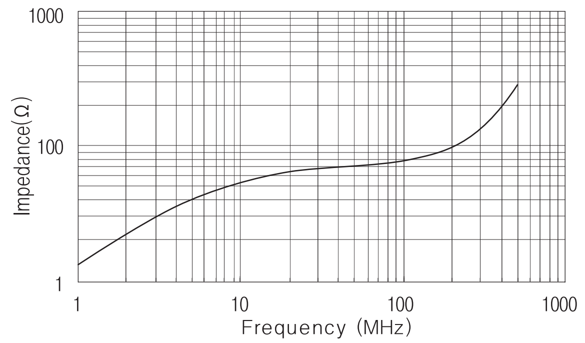
BC3857



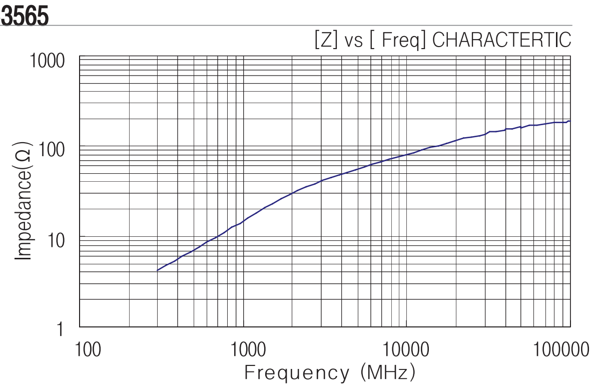
BC3881



BC2550

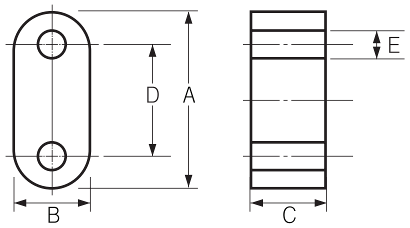


BC3565



Beads On Lead_EMI Core

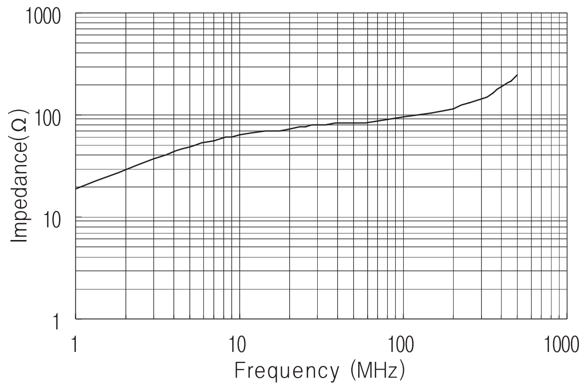
BLI CORES



Type	Dimensions(mm)					Impedance (Ω,1turn)		
	A	B	C	D	E	10MHz	25MHz	100MHz
BLI-7.5A	7.5±0.3	2.2±0.3	5.0±0.3	5.0±0.3	0.8±0.1	62	77	95

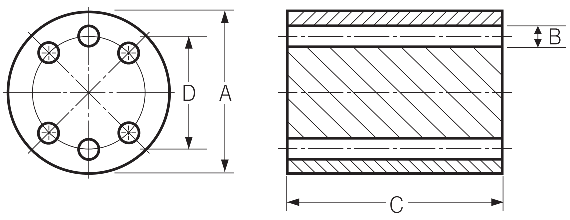
Impedance vs. Frequency Characteristics.

BLI-7.5A



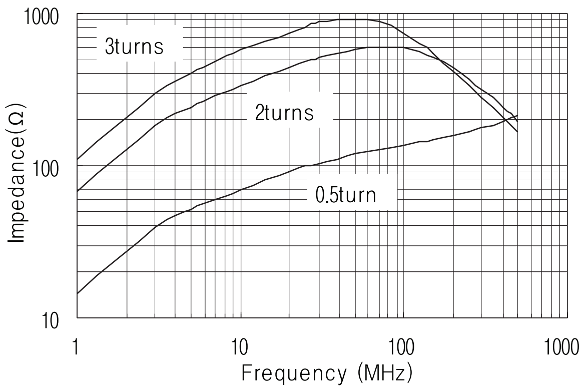
EMI Core_EMI Suppression For Connectors

6 HOLE BEAD



Impedance vs. Frequency Characteristics.

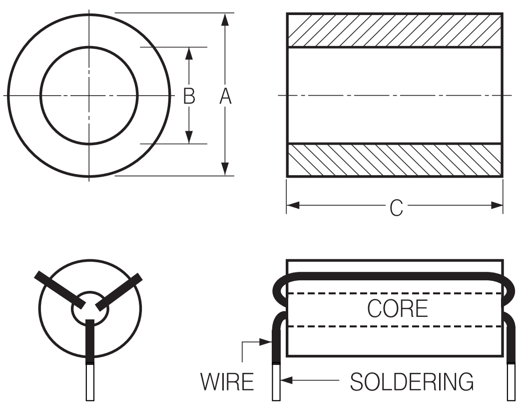
BH-6



Type	Dimensions(mm)				Impedance (Ω,1turn)		
	A	B	C	D	10MHz	25MHz	100MHz
BH-6	6.0±0.3	0.8±0.1	10.0±0.5	3.8 Ref.	70	99	137

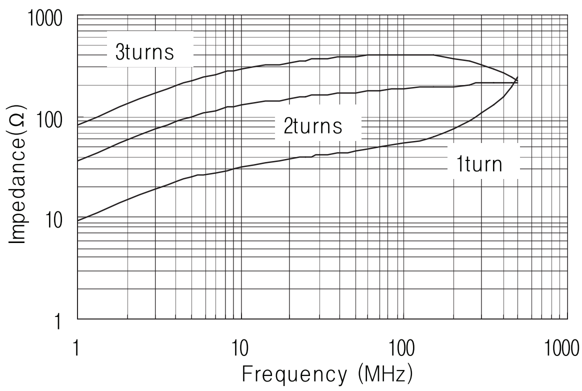
EMI Core_EMI Suppression For Connectors

BEAD INDUCTOR



Impedance vs. Frequency Characteristics.

BC4865



Type	Dimensions(mm)			Impedance (Ω,1turn)		
	A	B	C	10MHz	25MHz	100MHz
BC4865	4.8±0.3	2.0±0.1	6.5±0.4	32	40	54

CONNECTOR SUPPRESSION PLAT CORES

Fig. 1

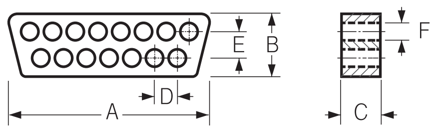


Fig. 2

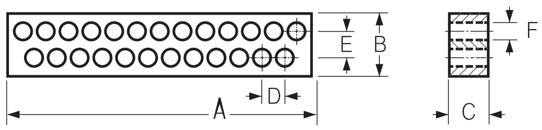


Fig. 3

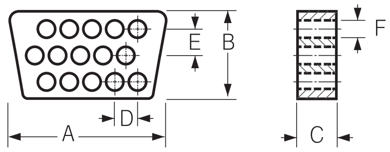
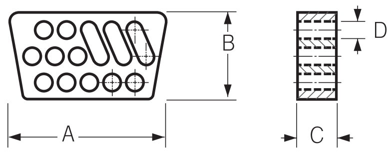


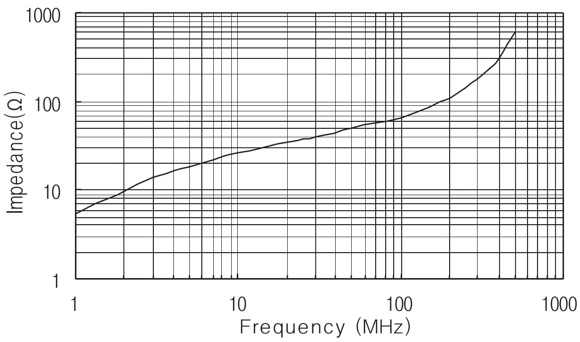
Fig. 4



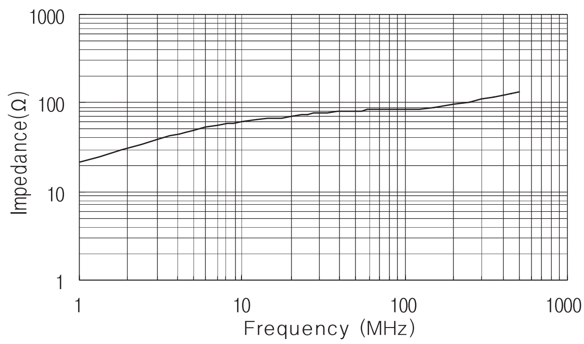
Type	Fig No.	Dimensions(mm)						Impedance (Ω,1turn)		
		A	B	C	D	E	F	10MHz	25MHz	100MHz
MH15A	1	24.0±0.4	6.7±0.25	6.7±0.5	2.77±0.2	2.84±0.2	1.7±0.2	26	38	67
MH15B	2	15.5±0.3	6.7±0.3	5.0±0.5	2.34±0.2	1.98±0.2	1.3±0.2	20min.		
MH25	3	36.3±0.6	7.75±0.25	3.5±0.2	2.75±0.1	2.85±0.1	1.8±0.2	10min.		
SD18−5.3	4	$18.0\ ^{+0}_{-0.2}$	$9.8\ ^{+0}_{-0.2}$	5.3±0.1	1.0 ref.			62	75	85

Impedance vs. Frequency Characteristics.

MH15A

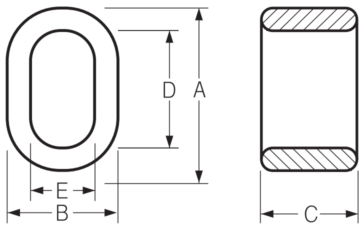


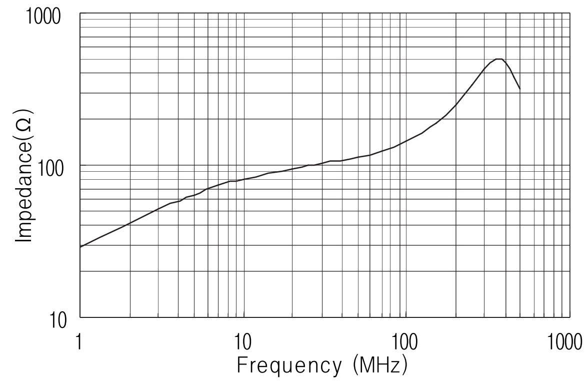
SD18−5.3



EMI Core_SR, Tile Cores

SR CORES

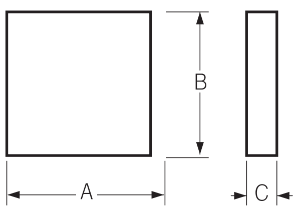


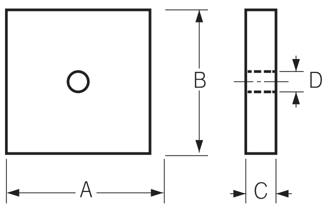


Type	Dimensions(mm)					Impedance (Ω,1turn)		
	A	B	C	D	E	10MHz	25MHz	100MHz
SR39-26	38.5±0.75	26.0±0.6	28.6±0.7	26.5±0.75	12.95±0.25	82	99	144

EMI Core_SR, Tile Cores

TILE CORES

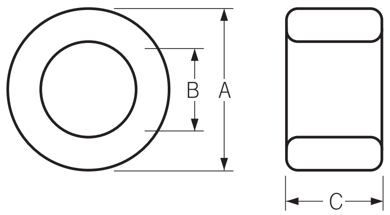




Type	Fig No.	Dimensions(mm)			
		A	B	C	D
TILE 100-6	1	100.0±0.5	100.0±0.5	6.0±0.5	
TILE 100-10	1	100.0±0.5	100.0±0.5	10.0±0.5	
TILE 100-6H	2	100.0±0.5	100.0±0.5	6.0±0.5	4.72±0.3
TILE 100-10H	2	100.0±0.5	100.0±0.5	10.0±0.5	4.72±0.3

SR, Tile Cores_EMI Core

TR CORES



Applications

Line Filters, Pulse Transformers,
Choke Coils, Various Coils, etc.

Materials

J2A, J2B, M2B, G5A, G5B, G8A, G10A

Type	Dimensions(mm)			Magnetic parameter			AL(nH)				
	A	B	C	Le (Cm)	Ae (Cm^3)	W (g)	J2A	M2B	G5A	G8A	G10A
TR8-4-2	8.0±0.3	4.0±0.3	2.0±0.2	1.742	0.038	0.36	650	830	1200	1700	2300
TR8-4-3	8.0±0.3	4.0±0.3	3.0±0.2	1.742	0.06	0.55	950	1240	1900	2200	3700
TR8-4-6	8.0±0.3	4.0±0.3	6.0±0.2	1.742	0.115	1.00	1300	1650	3600	5000	7000
TR10-6-5	10.0±0.3	6.0±0.3	5.0±0.2	2.407	0.098	1.22	1200	1500	2200	3300	4500
TR12-6-6	12.0±0.3	6.0±0.3	6.0±0.3	2.61	0.115	2.22	1950	2490	4150	6230	8300
TR12.7-7.9-3	12.7±0.3	7.9±0.3	3.0±0.3	3.117	0.07	1.04	980	1310	1400	2000	2800
TR12.7-7.9-5	12.7±0.3	7.9±0.3	5.0±0.2	3.117	0.118	2.13	1100	1420	2100	3000	4000
TR12.7-7.9-6.3	12.7±0.3	7.9±0.3	6.3±0.3	3.117	0.148	2.42	1400	1790	2600	3800	5500
TR12.7-7.9-6.5	12.7±0.3	7.9±0.3	6.5±0.3	3.117	0.153	2.5	1450	1860	2900	4300	6000
TR14-7.5-7	14.0±0.3	7.5±0.3	7.0±0.3	3.174	0.213	3.6	2000	2620	3600	5400	7200
TR14-8-4	14.0±0.4	8.0±0.3	4.0±0.3	3.282	0.117	2.10	1250	1800	2200	3000	4000
TR14-8-7	14.0±0.4	8.0±0.3	7.0±0.3	3.282	0.205	3.40	1700	2340	3900	6600	7000
TR18.4-10-5	18.4±0.3	10.0±0.4	5.0±0.3	4.46	0.186	4.30	1400	1820	2600	3900	5200
TR18.4-10-10	18.4±0.3	10.0±0.4	10.0±0.4	4.46	0.186	8.90	2650	4270	5900	8800	11600
TR19-12.5-6	19.0±0.3	12.5±0.3	6.0±0.2	4.806	0.192	4.53	1200	1500	2500	3500	5000
TR19-12.5-9.6	19.0±0.3	12.5±0.3	9.6±0.25	4.88	0.3	7.40	1800	2100	3900	5800	7500
TR19-12.5-11	19.0±0.3	12.5±0.3	11.0±0.3	4.806	0.352	7.55	2200	2760	4500	6800	9000
TR19-13-11	19.0±0.3	13.0±0.3	11.0±0.3	4.9	0.326	7.98	2400	2980	4800	7100	9300
TR22-14-6.5	22.0±0.4	14.0±0.3	6.5±0.2	5.47	0.26	4.7	1400	1760	2800	4500	5800
TR25-15-12.5	25.0±0.4	15.0±0.4	12.5±0.2	6.02	6.07	17.9	2400	3060	5400	7500	11500
TR25-15-13	25.0±0.4	15.0±0.4	13.0±0.3	6.02	6.09	18.1	2900	3670	5800	9000	12000

SR, Tile Cores _ TR CORES

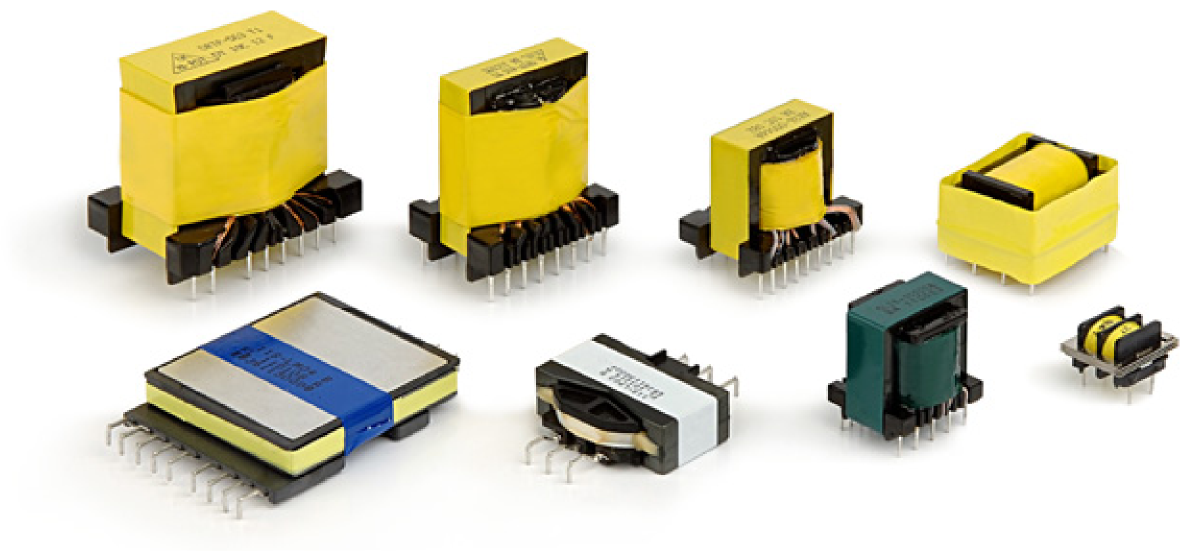
Type	Dimensions(mm)			Magnetic parameter			AL(nH)				
	A	B	C	Le (Cm)	Ae (Cm^3)	W (g)	J2A	M2B	G5A	G8A	G10A
TR25-15-10	25.0±0.4	15.0±0.4	10.0±0.2	6.03	0.49	15.0	2400	3060	5400	7500	10000
TR25-15-12	25.0±0.4	15.0±0.4	12.0±0.3	6.02	0.59	17.8	2900	3670	5800	9000	11000
TR25-15-15	25.0±0.4	15.0±0.4	15.0±0.4	6.01	0.67	22.2	4900	6120	10200	15300	20400
TR29-18-10	29.0±0.7	18.0±0.6	10.0±0.3	7.11	0.44	18.5	2700	3430	3900	5600	7500
TR29-18-13	29.0±0.7	18.0±0.6	13.0±0.3	7.11	0.57	25.9	2700	3430	5100	7300	9500
TR29-18-15	29.0±0.7	18.0±0.6	15.0±0.4	7.11	0.81	29.5	3400	4290	6400	9200	12000
TR29-19-15	29.0±0.7	19.0±0.6	15.0±0.5	7.32	0.74	27.2	3500	4330	5900	9000	12000
TR31-20-15	31.0±0.7	20.0±0.6	15.0±0.5	7.34	0.74	29.1	3500	4330	5900	9000	12000
TR36-23-10	36.5±0.7	23.3±0.6	10.0±0.4	9.39	0.94	28.6	3600	4550	6100	7800	12000
TR36-23-15	36.5±0.7	23.0±0.6	15.0±0.5	9.02	0.99	46.0	3800	4900	6500	7800	13400
TR38-19-12.7	38.1±0.7	19.0±0.5	12.7±0.4	8.28	1.17	53.0	4400	6400	8700	13000	17000
TR38-19-13	38.1±0.7	19.0±0.5	13.0±0.4	8.28	1.17	53.0	4400	6400	8700	13000	17000
TR38.5-19.8-13	38.5±0.5	19.8±0.4	13.15MAX	8.52	1.17	54.8	4500	6500	6900	12000	16800
TR38.5-19.8-24.9	38.5±0.5	19.8±0.5	24.9±0.5	8.52	2.24	105	7100	8900	16000	24000	32000
TR44.5-30-13	44.5±0.6	30.0±0.5	13.0±0.5	11.4	0.93	56.0	2400	3070	5000	7500	9600
TR45-30-10	45.0±0.6	30.4±0.5	10.0±0.5	11.8	0.66	58.5	2200	2800	3400	5100	6800
TR45-30-15	45.0±0.6	30.4±0.5	15.0±0.5	11.84	1.02	44.0	2300	3000	4700	7500	9200
TR48-30-15	48.0±0.5	30.0±0.8	15.0±0.5	11.92	1.29	81.5	3000	3270	7490	9540	13622
TR49-31-16	49.5±0.6	31.8±0.6	16.0±0.6	12.77	1.3	80.6	3200	4300	6000	8500	12000
TR49-31-19	49.2max.	30.2min.	18.8±0.3	12.8	1.58	96	3700	4650	7800		
TR51-31-7	51.0±1.0	31.0±0.7	7.0±0.3	12.36	0.69	43	2000	2400	3100	5000	6500
TR51-31-13	51.0±1.1	31.0±0.9	13.0±0.8	12.36	1.27	83	3100	3880	6000	9000	12000
TR51-31-15	51.0±1.1	31.0±0.9	15.0±0.8	12.36	1.56	104	3500	4200	6800	10000	13500
TR56-36-20	56.0±1.0	36.0±1.0	20±0.8	15.05	1.62	126	2800	3520	5500	8000	11000
TR68-44-13.5	68.0±1.2	44.0±1.0	13.5±0.5	17.05	1.59	136	2800	3520	5500	8000	11000
TR68-44-15	68.0±1.2	43.7±0.5	15±0.4	17.05	1.77	151	3100	3800	5800	8300	11000
TR68-44-25	68.0±1.2	43.7±0.5	25±0.4	17.05	1.89	161	3600	4300	6300	9300	13000
TR73-38-13	73.7±0.9	38.9±0.9	13.0±0.5	16.50	2.20	190	3600	5600	8000	12000	16000
TR87-55-25	73.7±0.9	38.9±0.9	13.0±0.5	21.50	3.10	230	4300	6400	9000	13000	17500

SMPS

SMPS, INVERTER 용 부품

TRANS FORMER

교류의 전압 및 전류의 크기를 전자기 유도작용을 이용하여 변성하는 전기 제품.

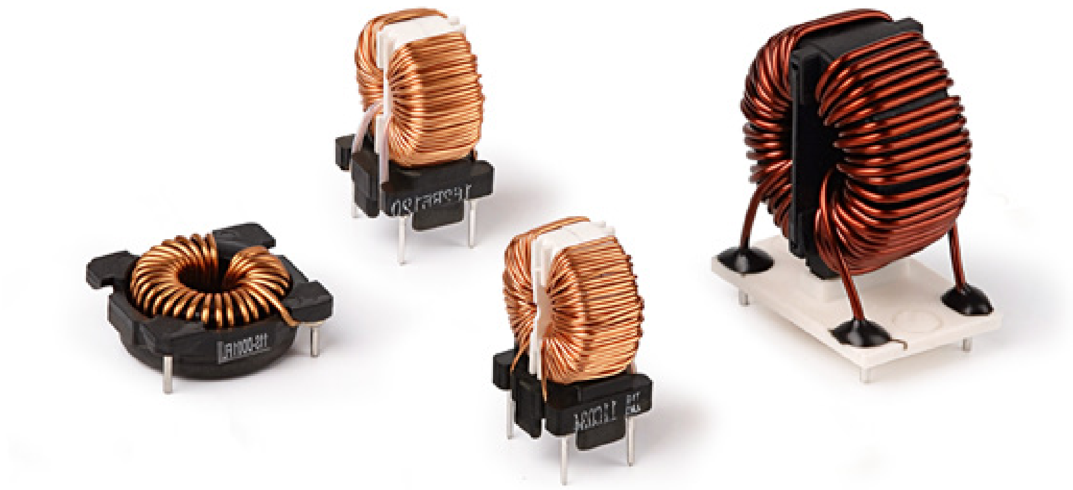


LINE FILTER

입력라인에 흐르는 리플 성분을 줄이고, SET의 외부에서 영입되는 노이즈를 저지하기 위해 사용.

TROIDAL FILTER

입력라인에 흐르는 리플 성분을 줄이고, SET의 외부에서 영입되는 노이즈를 저지하기 위해 사용.



CHOKE COIL

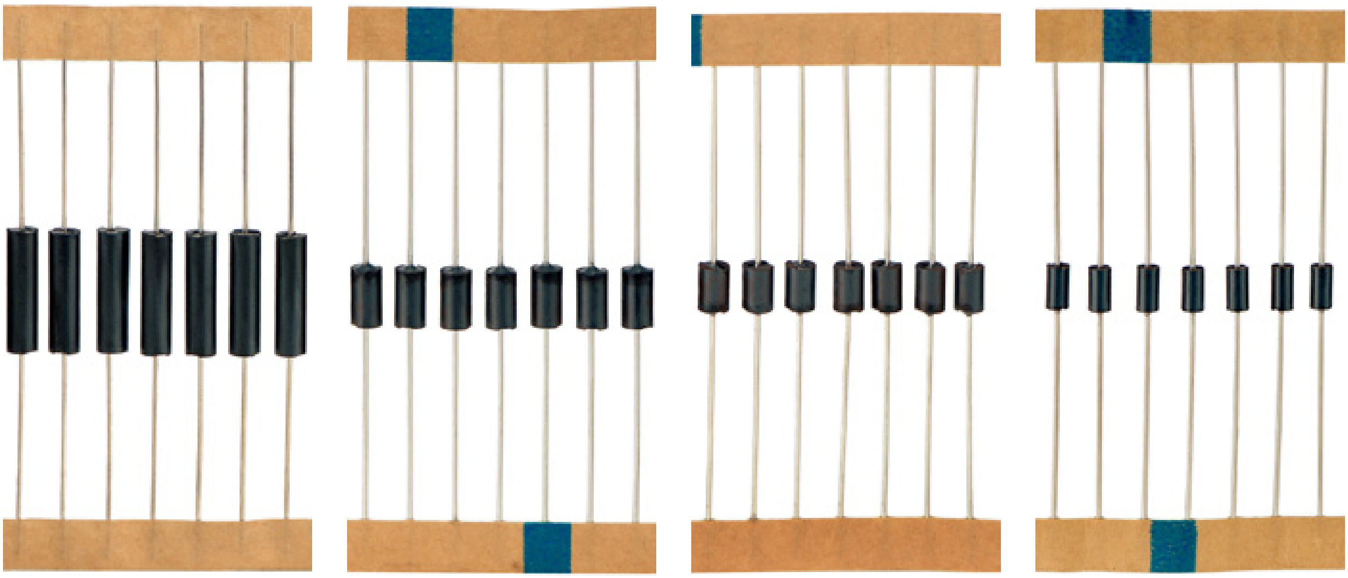
코일이 교류에 대해 큰 저항분를 갖는 것을 이용하여 교류분이나 고주파분의 저지를 위해 사용.

SMPS

SMPS, INVERTER 용 부품

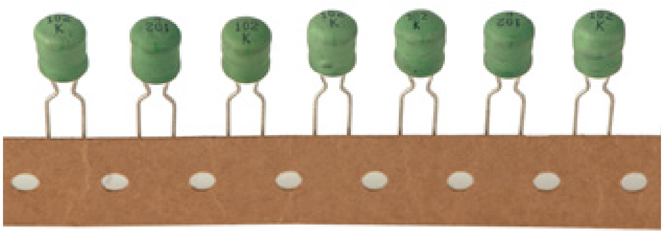
FERRITE BEAD

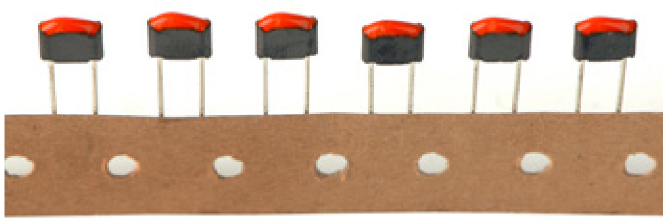
SET상 기생성분(parasitic)에 의한 발진을 막거나 특정 주파수 영역의 노이즈를 차폐할 목적으로 사용.



PEAKING COIL

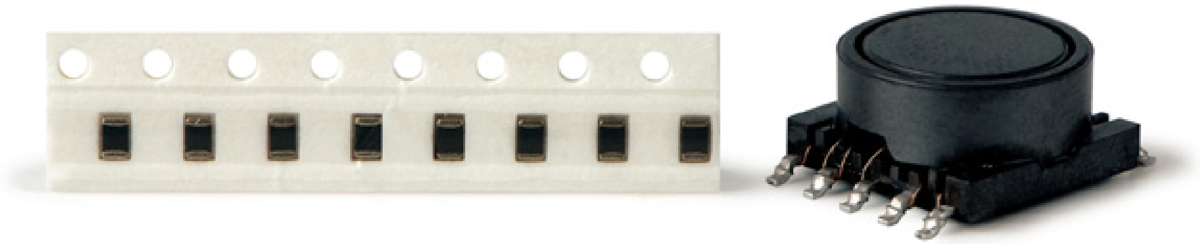
1)전원용 : π형 회로를 구성하여 저주파 NOISE 제거
2)신호용 : 미세 전류를 이용하여 원하는 주파수대의 시료를 잡을수 있는 회로구성가능
3) ON/OFF시 나타나는 과전류의 흐름제어 용도

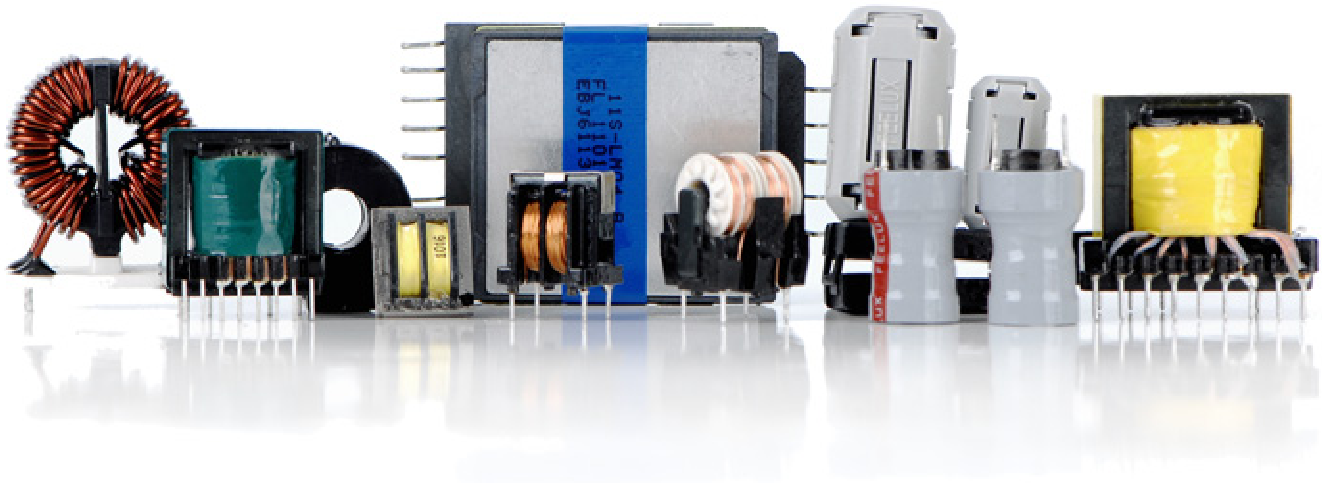




SMD

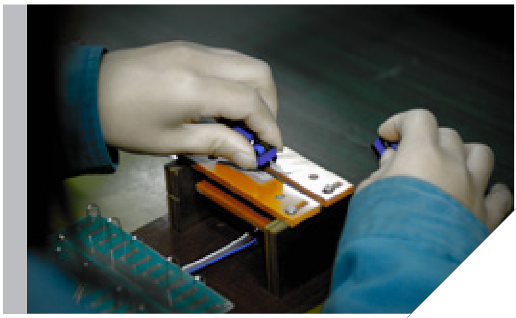
ON/OFF 시의 노이즈 제거를 위한 CHOKE 의 성질을 가진 제품중 LEAD 선 까지 짧게 한 표면 실장 타입 임.
최근 전원 용 목적으로 사용 하기도 함.





인증 내용 및

기타 추가 내용




FEELUX

PRODUCTS

Mn-Zn Ferrite Core
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-High Impedance Ferrite Core
-High Permeability Ferrite Core

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-EMI/EMC Suppressor Ferrite Core
-Chip Bead

Coil
-Switching Transformer
-Line Filter
-Inductor
-EMI/EMC Filter

Ballast & Lamp
-Electronic Ballast
-Charming Lamp
-Deco Lamp

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