

Type : RM/LM Cores

Ordering Code:

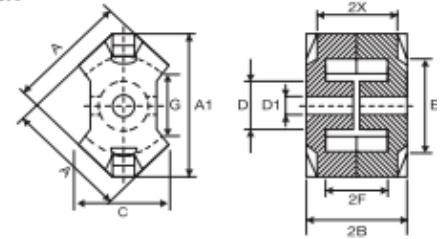
P4
Material
材質

RM5
Core Size
品名

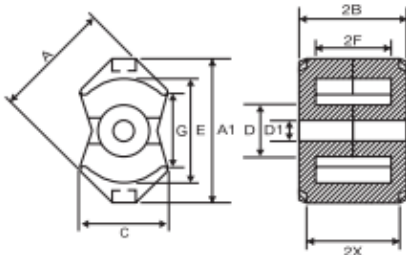
G□
Gapped AL Value

Shape:

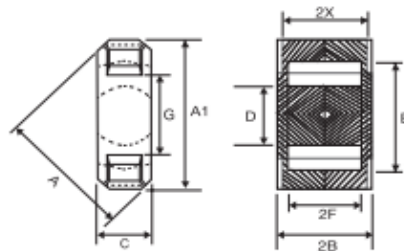
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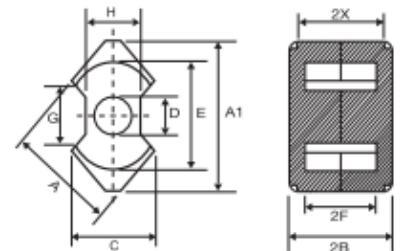
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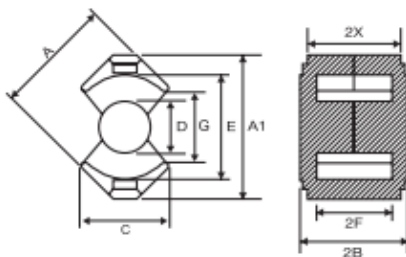
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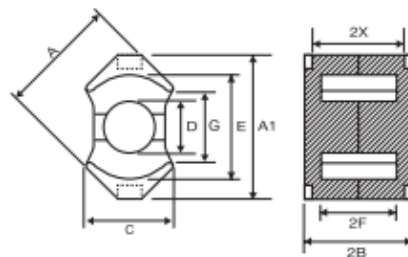
Type:4



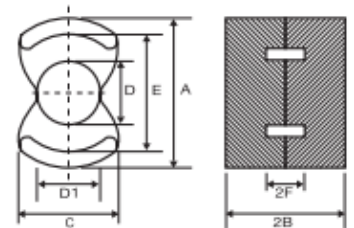
Type:5



Type:6



Type:7



■ DIMENSIONS

CORES	DIMENSIONS (mm)											Type
	A	A ₁	B	C	D ^(a)	D ₁ ^(a)	E	F	G	H	2X	
RM4	9.60 ± 0.20	10.80 ± 0.20	5.20 ± 0.05	6.40 ± 0.20	3.80 ± 0.10	-	8.15 ± 0.15	3.60 ± 0.10	5.80min	-	9.00 ± 0.25	1
RM5	12.05 ± 0.25	14.30 ± 0.30	5.20 ± 0.10	9.55 ± 0.25	4.80 ± 0.10	-	10.40 ± 0.20	3.35 ± 0.20	6.00min	-	9.10 ± 0.25	1
RM6	14.40 ± 0.30	17.60 ± 0.30	6.20 ± 0.10	10.47 ± 0.25	6.30 ± 0.10	-	12.64 ± 0.25	4.20 ± 0.20	8.50min	-	10.40 ± 0.25	6
RM6CH	14.40 ± 0.30	17.60 ± 0.30	6.20 ± 0.10	10.47 ± 0.25	6.30 ± 0.10	3.00 ± 0.10	12.64 ± 0.25	4.20 ± 0.20	8.50min	-	10.40 ± 0.25	2
RM6C	17.60 ± 0.30	14.40 ± 0.30	4.50 ± 0.10	5.15 ± 0.15	6.30 ± 0.10	-	12.64 ± 0.25	2.35 ± 0.10	11.50min	-	3.48 ± 0.15	3
RM6F	14.40 ± 0.30	16.80 ± 0.30	5.50 ± 0.10	8.00 ± 0.30	6.30 ± 0.15	-	12.65 ± 0.25	3.40 ± 0.15	9.10min	-	-	4
RM6H	14.40 ± 0.30	17.60 ± 0.30	4.15 ± 0.10	8.00 ± 0.30	6.30 ± 0.10	-	12.65 ± 0.25	2.10 ± 0.10	9.15 ± 0.30	-	-	2
RM7A	16.85 ± 0.35	19.90 ± 0.40	6.70 ± 0.10	11.43 ± 0.30	7.10 ± 0.15	-	15.10 ± 0.35	4.32 ± 0.15	11.00min	-	12.50 ± 0.30	5
RM7E	19.90 ± 0.40	16.85 ± 0.30	6.80 ± 0.20	7.10 ± 0.15	7.10 ± 0.15	-	15.10 ± 0.35	4.42 ± 0.30	11.00min	-	-	5
RM8	19.35 ± 0.35	22.76 ± 0.45	8.20 ± 0.15	15.45 ± 0.30	8.40 ± 0.15	-	17.30 ± 0.30	5.60 ± 0.20	9.80min	-	14.40 ± 0.25	1
RM8CH	19.35 ± 0.35	22.76 ± 0.45	8.20 ± 0.15	15.45 ± 0.30	8.40 ± 0.15	4.50 ± 0.15	17.30 ± 0.30	5.60 ± 0.20	9.80min	-	14.40 ± 0.25	1
RM8A	19.35 ± 0.35	22.76 ± 0.45	8.20 ± 0.15	15.45 ± 0.30	8.40 ± 0.15	-	17.30 ± 0.30	5.60 ± 0.20	9.80min	-	14.40 ± 0.25	6
RM10	24.15 ± 0.55	27.80 ± 0.65	9.30 ± 0.15	19.85 ± 0.30	10.65 ± 0.20	-	21.65 ± 0.45	6.40 ± 0.20	12.40min	-	16.30 ± 0.25	6
RM10B	24.20 ± 0.30	28.20 ± 0.30	9.30 ± 0.10	18.05 ± 0.30	10.65 ± 0.15	-	22.00 ± 0.30	6.50 ± 0.15	14.20min	13.25 ± 0.25	-	4
RM12	29.20 ± 0.60	36.85 ± 0.75	12.25 ± 0.10	-	12.60 ± 0.20	-	25.45 ± 0.55	8.55 ± 0.15	13.40min	15.85 ± 0.25	22.10 ± 0.25	4
LM8A	23.00 ± 0.45	-	8.00 ± 0.15	17.71ref	9.00 ± 0.10	12.80 ± 0.10	18.10 ± 0.40	5.30 ± 0.20	-	-	-	7

■ Material Characteristics (7)

	Symbol	Unit	Measuring Conditions			High Permeability Materials			
			Freq.	Flux den.	Temp.	A10	A102	A121	A151
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	10000 \pm 30%	10000 \pm 30%	12000 \pm 30%	15000 \pm 30%
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	10kHz	< 0.25mT	25°C	< 10	< 10	< 10	< 10
			100kHz		25°C	< 60	< 60	< 60	< 110
Saturation Flux Density	B _{ms}	mT	10kHz	H = 1200A/m	25°C	410	380	380	400
					100°C	210	180	180	170
Remanence	Br _{ms}	mT	10kHz	H = 1200A/m	25°C	140	95	130	220
					100°C	110	75	110	100
Temperature Factor of Permeability	α_F	10 ⁻⁶ /°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 1.5	-1 ~ 1	0 ~ 1.5	-1 ~ 1
					20 ~ 70°C	-0.5 ~ 1	-1 ~ 1	-0.5 ~ 1	-1 ~ 1
Hysteresis Material Constant	η_B	10 ⁻⁶ /mT	10kHz	1.5-3.0mT	25°C	< 0.5	< 1	< 0.5	< 0.5
Disaccommodation Factor	D _r	10 ⁻⁶	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2	< 2
Curie Temperature	T _c	°C				130	120	110	110
Resistivity	ρ	Ωm				0.15	0.15	0.12	0.10
Density	d	g/cm ³				4.90	4.90	4.90	5.00