



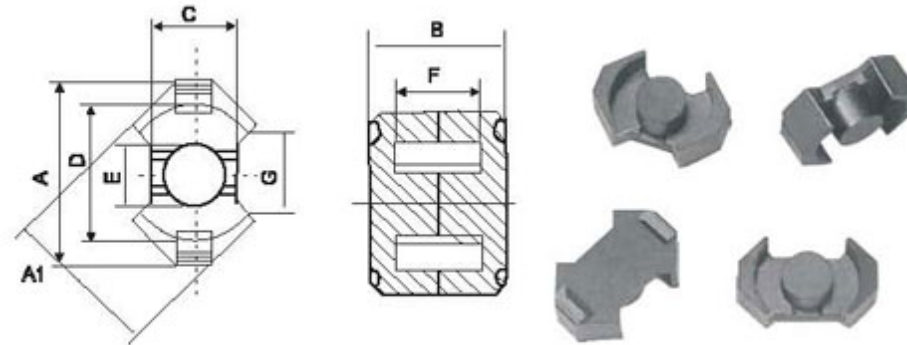
YUXIANG

www.magnet-tech.com

China Professional Ferrite Core Supplier

 print version

RM CORES



Ferrite RM (square) Cores

The design of Yuxiang RM cores (square cores) maximizes magnetic performance while minimizing PC board space--at least a 40% savings in mounting area! Special advantages of Yuxiang RM Core assemblies, like wide core selection such as RM5 core, MnZn Core RM12, RM6 core, RM8 core, RM10 core, RM12 core, RM14 core, RM4, RM5, RM6, RM8, RM10, RM14, RM14 cores, RM12 cores, RM10 cores, RM8 cores, RM4 cores, RM5 cores, RM6 cores, etc; choice of linear or flat temperature characteristics; and consistency and uniformity. Yuxiang RM cores are offered in a wide variety of materials to support various applications. Ferrite RM core is available either gapped or ungapped.

Advantages of ferrite RM core

In addition to all of the magnetic and mechanical advantages of pot cores, RM cores offer the following advantages:

1. Electromagnetic Features: self-shielding, simple tuning adjustments, temperature stability, and low losses;
2. Mechanical Features: compactness, bobbin winding, ease of assembly, PCB mounting, and automated assembly possible.

Application of RM core

RM core applications: filters, inductors and transformers for telecommunication and other electronic equipment. RM cores are for high effective packing density.

Type	Dimensions(mm)							
	A1	A	B	C	D	E	F	G
RM4	9.8 ⁺⁰ _{-0.4}	11.6±0.2	10.4±0.2		8.15±0.2	3.9 ⁺⁰ _{-0.2}	3.4±0.2	
RM5	12.3 ⁺⁰ _{-0.5}	14.65±0.25	10.4±0.2		10.4±0.2	4.8±0.1	3.9±0.25	
RM6	14.4±0.3	17.6 ±0.3	12.4±0.2		12.65±0.25	6.3±0.1	4.2±0.2	
RM8	19.7 ⁺⁰ _{-0.7}	23.2 ⁺⁰ _{-0.9}	16.4±0.2		17.0 ^{+0.6} ₋₀	8.55 ⁺⁰ _{-0.3}	5.4±0.3	
RM10	24.5±0.55	27.85±0.65	18.6±0.2		21.65±0.45	10.7±0.2	5.3±0.3	
RM12	29.2±0.6	36.75±0.65	23.5±0.2		25.5±0.5	12.8 ⁺⁰ _{-0.4}	6.4±0.3	
RM14	34.2±0.5	41.6±0.6	28.8±0.2		29.5±0.5	14.75±0.25	7.7±0.3	
RM4A	9.60±0.2	10.75±0.25	10.40±0.10	4.50±0.10	8.15±0.20	3.80±0.10	7.2±0.3	5.8
RM5A	12.05±0.25	14.65±0.30	10.40±0.10	6.60±0.20	10.40±0.20	4.80±0.10	6.5±0.3	6.0
RM6A	14.40±0.3	17.55±0.35	12.40±0.10	8.00±0.20	12.65±0.25	6.30±0.10	8.2±0.3	8.8
RM8A	19.30±0.40	22.75±0.45	16.40±0.10	10.75±0.25	17.30±0.30	8.40±0.20	11.0±0.3	9.5
RM10A	24.15±0.55	27.85±0.65	18.60±0.10	13.25±0.25	21.65±0.45	10.7±0.20	12.7±0.3	10.9
RM12A	29.25±0.55	36.75±0.65	24.50±0.10	15.85±0.25	25.5±0.50	12.6±0.20	17.1±0.3	12.9
RM14A	34.10±0.60	41.50±0.70	30.10±0.10	18.70±0.30	29.60±0.60	14.7±0.3	21.1±0.3	17.0

Type	Core parameter				weight (g/pr.)	Al(nH/N ²)±25%		PC(W) (max)	
	C1 (mm ⁻¹)	Ae (mm ²)	le (mm)	Ve (mm ³)		F2BD	F2B1	F2BD	F2B1
RM4	1.62	13.9	22.5	313	1.7	720min	680min		
RM5	0.938	23.8	22.3	530	3.2	1350min	1250min		
RM6	0.78	37	29.0	1050	5.5	1720min	1600min		
RM8	0.59	64.0	38.0	2400	12.5	2200min	1950min		
RM10	0.453	98	44.0	4310	23	3900min	3630min		
RM12	0.40	140	56.9	7960	42	4500min	4150min		
RM14	0.40	178	71.0	12600	70	5000min	4600min		
RM4A	1.69	13.8	23.3	322	2.8		950min	0.03	0.177
RM5A	0.935	24.8	23.2	574	3.3		1700min	0.065	0.295
RM6A	0.784	37.0	29.2	1090	4.9		2150min	0.145	0.54
RM8A	0.604	63.0	38.4	2440	12.0		3300min	0.33	1.2
RM10A	0.462	96.6	44.6	4310	22.0		4050min	0.61	2.2
RM12A	0.388	146	56.6	8340	45.0		5050min	1.15	4.2
RM14A	0.353	198	70.0	13900	74.0		5700min	1.79	9.0

Al : 1kHz,0.5mA,100Ts
Pc: 100kHz,200mT,10 (LP2)