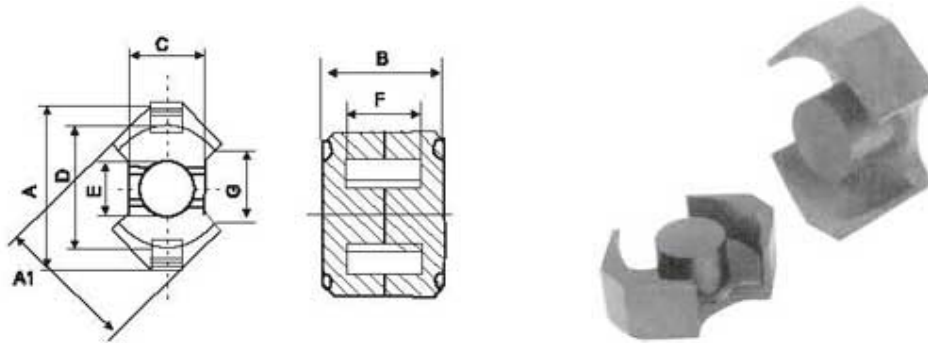


## RM CORES



### Introduce of RM Cores

RM cores (square cores) maximize magnetic performance while minimizing PC board space--at least a 40% savings in mounting area! Special advantages of Yuxiang RM-Core assemblies: 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 RM cores

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

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

Type	Dimensions(mm)							
	A1	A	B	C	D	E	F	G
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±0.20	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±0.2	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±0.2	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±0.2	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/N2)±25%	
	C1 (mm-1)	Ae (mm2)	Ie (mm)	Ve (mm3)		F5	F10
	RM4A	1.69	13.8	23.3	322	2.8	950
RM5A	0.935	24.8	23.2	574	3.3	1700	6700+40% -30%
RM6A	0.784	37.0	29.2	1090	4.9	2150	8600+40% -30%
RM8A	0.604	63.0	38.4	2440	12.0	3300	12500+40% -30%
RM10A	0.462	96.6	44.6	4310	22.0	4050	16000+40% -30%
RM12A	0.388	146	56.6	8340	45.0	5050	17700min
RM14A	0.353	198	70.0	13900	74.0	5700	19600min

Al: 1kHz,0.5mA,100Ts

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