

# TECH ALERT

Magnetics Division

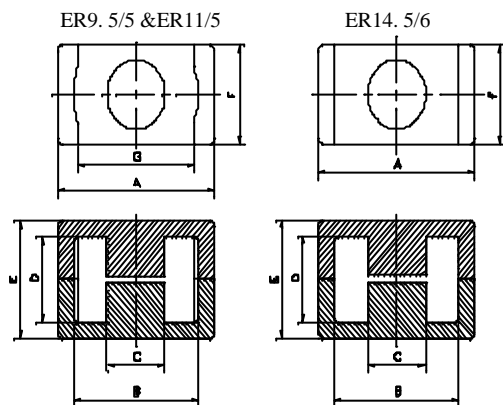
MMG offers ER cores for SMD transformers application in power, signal and high permeability grades and these cores can also be gapped to suit customer requirements.

## FEATURES

- Very low total height
- Low stray inductance
- High DC magnetic bias

## APPLICATION

- Low power DC-DC converters
- Pulse transformers
- Broadband transformers
- Driver transformers



CORE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
ER9.5/5	9.35±0.15	7.63±0.125	3.40±0.10	3.35±0.15	4.90±0.10	4.90±0.10	7.00(min)
ER11/5	10.83±0.175	8.85±0.15	4.125±0.125	3.15±0.15	4.90±0.10	5.90±0.10	7.90(min)
ER14.5/6	14.50±0.20	11.80±0.20	4.70±0.10	3.30±0.20	5.90±0.20	6.70±0.10	-

CORE	MATERIAL	ALVALUE	TOLERANCE	PART NUMBER
ER9.5	F44	800	+30/-20%(R)	F61-R0000-X13
	F48	810	+30/-20%(R)	F61-R0000-X18
ER11/5	F44	1200	+30/-20%(R)	F62-R0000-X13
	F48	1220	+30/-20%(R)	F62-R0000-X18
ER14.5/6	F44	1500	+30/-20%(R)	F63-R0000-X13
	F48	1500	+30/-20%(R)	F63-R0000-X18

CORE	EFFECTIVE PARAMETER				APPROX.WEIGHT
	C1	Ae(mm <sup>2</sup> )	Le(mm)	Ve(mm <sup>3</sup> )	
ER9.5/5	1.61	8.60	14.00	121.00	0.59
ER11/5	1.25	11.70	14.60	170.20	0.92
ER14.5/6	1.08	17.60	19.00	333.00	1.80