PRODUCT DATA APPROVAL SHEET

Core- ETD4917

Cosmo Ferrites Ltd. - INDIA

Appearance & Shape: To be free from any defect such as flow, burrs, unevenness etc, As per IEC standards.

Effective Parameters irrespective of material grade (per set)

- Effective Length (L_e): 114.0 mm
- Effective Area (A_e): 211.0 mm^2
- Effective Area (A_{Min}): 209.0 mm^2
- Effective Volume (V_e): 24000 mm^3

Approximate weight (without Gap): 115g/Set

ETD4917 Un-gapped (OL)

Test Conditions: 1 KHz/1mT/N=100/25˚C

Material	Initial Permeability (μ_{iac})	AL Value (nH)/Set	μ_e approx./Set	P_V (W/set)	Ordering code
CF138/139	2100 ±20%	4100 +30%/-20%	≈ 1770	<2.40(100mT,100kHz,100^{0}C)	CF138/139ETD4917 OL
CF196	2000 ±20%	3950 +30%/-20%	≈ 1700	<3.31(200mT,16kHz,100^{0}C)	CF196ETD4917 OL
CF297	2300 ±20%	4400 +30%/-20%	≈ 1900	<2.16(100mT,100kHz,100^{0}C)	CF297ETD4917OL
CF295	2800 ±20%	5500 +30%/-20%	≈ 2400	<2.40(100mT,100kHz,100^{0}C)	CF295ETD4917OL

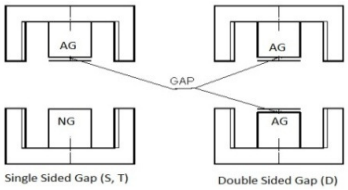
ETD4917 Gapped

Test Conditions: 1 KHz/300mV/N=100/25˚C

Material	Gap-Value(mm)/Pc	S, T **)		D **)		Ordering Code
		Approx.AL (nH)/Set	μ_e Approx	Approx.AL (nH)/Set	μ_e Approx	
CF138/CF139	0.10 ±0.02	≈ 1730	≈ 744	≈ 1035	≈ 445	CF138/CF139 ETD4917 G 0.10 S/T/D**
CF138/CF139	0.20 ± 0.02	≈ 1035	≈ 445	≈ 619	≈ 266	CF138/CF139 ETD4917 G 0.20 S/T/D**
CF196CF138/CF139	0.50 ±0.06	≈521/≈ 525	≈222/≈ 226	≈ 309/≈ 314	≈ 131/≈ 135	CF196/CF138/CF139 ETD4917 G 0.50 S/T/D**
CF138/CF139	0.70 ± 0.06	≈ 409	≈ 176	≈ 245	≈ 105	CF138/CF139 ETD4917 G 0.70 S/T/D**
CF196/CF138/CF139	1.00 ± 0.06	≈ 309/≈ 314	≈ 131/≈ 135	≈ 183/≈ 188	≈ 77/≈ 81	CF196/CF138/CF139 ETD4917 G 1.00 S/T/D**
CF138/CF139	1.50 ± 0.06	≈ 232	≈ 100	≈ 139	≈ 60	CF138/CF139 ETD4917 G 1.50 S/T/D**
CF196/CF138/CF139	2.00 ± 0.06	≈ 183/≈ 188	≈ 77/≈ 81	≈ 98/≈ 102	≈ 41/≈ 44	CF196/CF138/CF139 ETD4917 G 2.00 S/T/D**
CF138/CF139	3.00 ± 0.06	≈ 139	≈ 60	≈ 64	≈ 36	CF138/CF139 ETD4917 G 3.00 S/T/D**
CF295	2.00 ± 0.06	≈ 130	≈ 56	≈ 58	≈ 32	CF295 ETD4917 G 2.00 S/T/D**

**) S, T -> AL value in the table applies to a core set comprising one ungapped core (g=0) and one gapped core (g>0)

D -> AL value in the table applies to a core set comprising one gapped core (g>0) and one gapped core (g>0)



Delivery Procedure

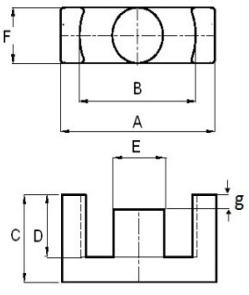
S: 50% gapped Core and 50% Ungapped core

T: 100% gapped cores (ungapped core to be ordered separately)

D: 100% gapped cores

Dimensions :

Dimension	Nominal (in mm)	Maximum (in mm)	Minimum (in mm)
A	48.5	49.8	47.7
B	36.1	37.9	36.1
C	24.9	24.9	24.5
D	18.5	18.5	18.2
E	16.7	16.7	15.9
F	16.7	16.7	15.9



For Cosmo Ferrites Limited-INDIA
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