



PRODUCT DATA APPROVAL SHEET

Core- ETD5419

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)

Parameter	Value	Unit
Effective Length (L_e):	127	mm
Effective Area (A_e):	280	mm ²
Effective Area (A_{min}):	280	mm ²
Effective Volume (V_e):	35500	mm ³
Approximate Weight(m):	180	g/set



ETD5419 Un-gapped (OL)

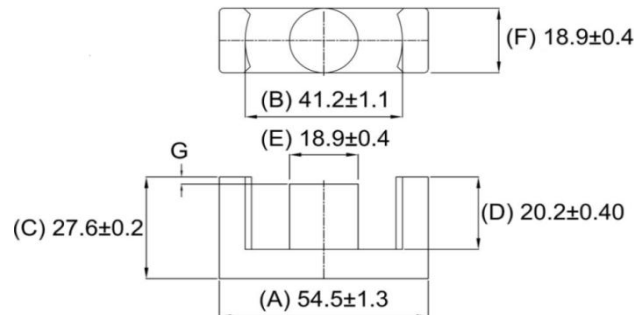
Test Conditions: 1 kHz/1mT/N=100/25°C

Material Grade	Initial Permeability (μ_{iac})	AL Value (nH)/Set	μ_e approx. /Set	P_v (W/set) (16kHz,200mT, 100°C)	P_v (W/set) (25kHz,200mT, 100°C)	P_v (W/set) (100kHz,100mT, 100°C)	P_v (W/set) (100kHz,200mT, 100°C)
CF196	2000 ±20%	4750 +30%/-20%	≈ 1700	≤ 4.9	≤ 6.66	×	×
CF138	2100 ±20%	4850 +30%/-20%	≈ 1750	×	≤ 4.3	≤ 4.8	≤ 23.08
CF139	2100 ±20%	4850 +30%/-20%	≈ 1750	×	≤ 4.1	≤ 3.5	≤ 21
CF297	2300 ±20%	5400 +30%/-20%	≈ 1950	×	≤ 3.73	≤ 3.2	≤ 20.42

ETD5419 Gapped

Test Conditions: 1 kHz/300mV/N=100/25°C

Material Grade	Gap- Value (mm)/Pc	S, T		D	
		AL Approx. (nH)/Set	μ_e /Set Approx.	AL Approx. (nH)/Set	μ_e /Set Approx.
CF138/CF139	0.20 ±0.02	≈ 1377	≈ 497	≈ 802	≈ 290
CF138/CF139	0.30 ±0.04	≈ 1004	≈ 362	≈ 585	≈ 211
CF138/CF139	0.50 ±0.05	≈ 674	≈ 243	≈ 393	≈ 142
CF138/CF139	0.60 ±0.05	≈ 585	≈ 211	≈ 341	≈ 123
CF138/CF139	1.00 ±0.05	≈ 393	≈ 142	≈ 229	≈ 83
CF138/CF139	1.30 ±0.05	≈ 320	≈ 116	≈ 187	≈ 67
CF138/CF139	1.50 ±0.05	≈ 287	≈ 103	≈ 167	≈ 60
CF138/CF139	2.00 ±0.05	≈ 229	≈ 83	≈ 136	≈ 49
CF138/CF139	2.50 ±0.05	≈ 193	≈ 69	≈ 112	≈ 40



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