



PRODUCT DATA APPROVAL SHEET

Core- EP13

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):	24.5	mm
Effective Area (A_e):	19.5	mm ²
Effective Area (A_{min}):	14.9	mm ²
Effective Volume (V_e):	478	mm ³
Approximate weight(m):	4.8	g/set



“Clamping force for AL measurement is 30 ±10 N, unless otherwise stated”

EP13 Un-gapped (OL)

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

Material Grade	Initial Permeability (μ_{iac})	AL Value (nH)	μ_e Approx./Set	P_V (W/set) (25kHz,200mT, 100°C)	P_V (W/set) (100kHz,100mT, 100°C)	P_V (W/set) (100kHz,200mT, 100°C)	Ordering code
CF139	2100 ±20%	1500 +30%/-20%	≈1400	≤ 0.054	≤ 0.04	≤ 0.22	CF139 EP13 OL
CF297	2300 ±20%	1600 +30%/-20%	≈1580	≤ 0.048	≤ 0.038	≤ 0.18	CF297 EP13 OL

EP13 Gapped (AL)

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

Material Grade	AL Value nH/Set	S, T		D		Ordering code
		Gap Approx. (mm)/Pc	μ_e Approx./Set	Gap Approx. (mm)/Pc	μ_e Approx./Set	
CF139	22 ±5%	≈ 1.1	≈ 22	≈ 0.55	≈ 22	CF139 EP13 AL 22 S/T/D
CF139	63 ±5%	≈ 0.37	≈ 62	≈ 0.18	≈ 62	CF139 EP13 AL 63 S/T/D
CF139	160 ±8%	≈ 0.14	≈ 161	-	-	CF139 EP13 AL 160 S/T

