



PRODUCT DATA APPROVAL SHEET

Core-EEL1905

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):	61.7	mm
Effective Area (A_e):	23.4	mm ²
Effective Area (A_{min}):	21.8	mm ²
Effective Volume (V_e):	1444	mm ³
Approximate weight(m):	7.2	g/set



“Clamping force for AL measurement is 20 ± 10 N, unless otherwise stated”

EEL1905 Un-gapped (OL)

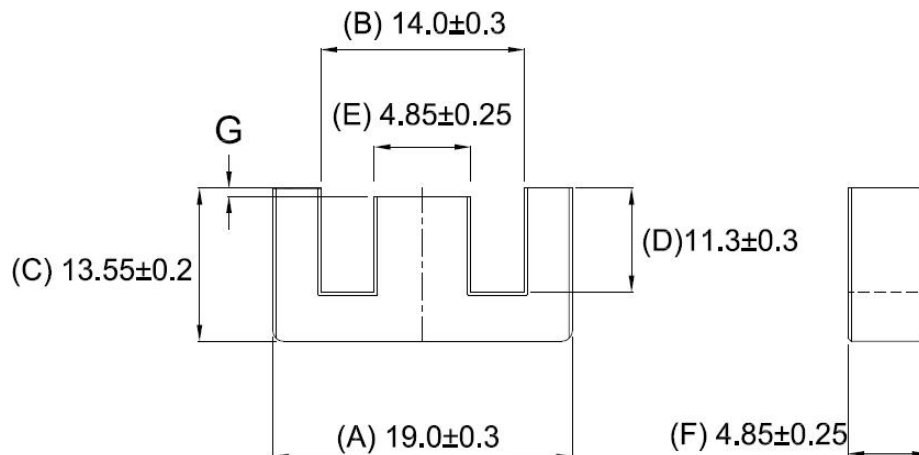
Test Conditions: 1kHz/1mT/CFR COIL, N=100/25°C

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)
CF139	2100 \pm 20%	850 +30%/-20%	\approx 1800	\leq 0.18	\leq 0.16	\leq 0.94
CF297	2300 \pm 20%	900 +30%/-20%	\approx 1900	\leq 0.17	\leq 0.15	\leq 0.87

EEL1905 Gapped

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

Material Grade	AL(nH)/Set Value	S, T		D	
		Gap Value mm/Pc	μ_e Approx./Set	Gap Value mm/Pc	μ_e Approx./Set
CF139	104 \pm 8%	\approx 0.25	\approx 220	\approx 0.12	\approx 220
CF297	104 \pm 8%	\approx 0.26	\approx 215	\approx 0.13	\approx 215



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