

PRODUCT DATA APPROVAL SHEET

Core-CF138EFF2509

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):	57	mm
Effective Area (A_e):	58	mm ²
Effective Area (A_{min}):	55.4	mm ²
Effective Volume (V_e):	3306	mm ³
Approximate weight(m):	16	g/set



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

EFF2509 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)
CF138	2100 \pm 20%	2000 +30%/-20%	\approx 1564	\leq 0.4	\leq 0.4	\leq 1.9

EFF2509 Gapped

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

Material Grade	AL(nH) Approx. /Set	S, T		D	
		Gap Value in mm/Pc	μ_e Approx./Set	Gap Value in mm/Pc	μ_e Approx./Set
CF138	160 \pm 5%	\approx 0.55	\approx 125	\approx 0.28	\approx 125

