



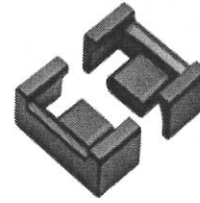
# PRODUCT DATA APPROVAL SHEET

Core-EFF2007

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 ( $L_e$ ):	47	mm
Effective Area ( $A_e$ ):	31	mm <sup>2</sup>
Effective Area ( $A_{min}$ ):	29	mm <sup>2</sup>
Effective Volume ( $V_e$ ):	1460	mm <sup>3</sup>
Approximate weight(m):	7.1	g/set



“Clamping force for AL measurement is  $20 \pm 10$  N, unless otherwise stated”

## EFF2007 Un-gapped (OL)

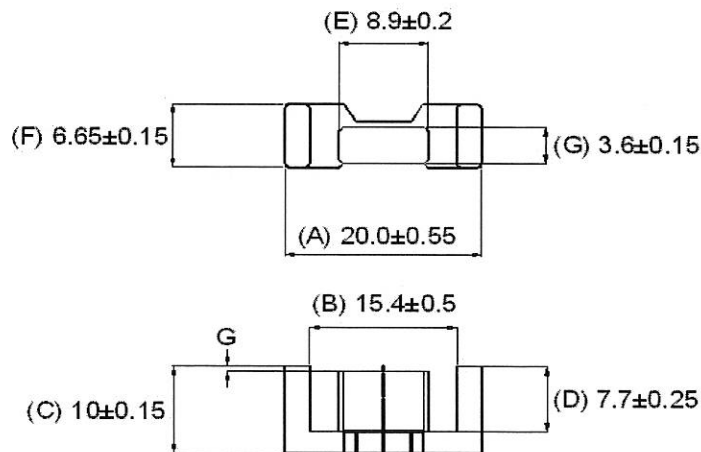
Test Conditions: 1kHz/1mT/CFR COIL, N=100/25°C

Material Grade	Initial Permeability ( $\mu_{i(ac)}$ )	AL Value (nH)	$\mu_e$ 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%	1250 +30%/-20%	$\approx$ 1500	$\leq$ 0.17	$\leq$ 0.15	$\leq$ 1.05

## EFF2007 Gapped

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

Material Grade	Gap- Value (mm)/Pc	S, T		D	
		AL Approx. (nH)/Set	$\mu_e$ /Set Approx.	AL Approx. (nH)/Set	$\mu_e$ /Set Approx.
CF139	0.10 $\pm$ 0.02	$\approx$ 305	$\approx$ 369	$\approx$ 188	$\approx$ 227
CF139	0.40 $\pm$ 0.05	$\approx$ 116	$\approx$ 140	$\approx$ 71	$\approx$ 86
CF139	0.50 $\pm$ 0.05	$\approx$ 99	$\approx$ 120	$\approx$ 61	$\approx$ 74
CF139	1.00 $\pm$ 0.05	$\approx$ 61	$\approx$ 74	$\approx$ 38	$\approx$ 45



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