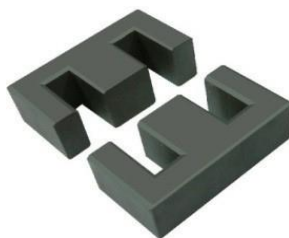


## PRODUCT DATA APPROVAL SHEET

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 ( $L_e$ ):	74.3	mm
Effective Area ( $A_e$ ):	83.0	mm <sup>2</sup>
Effective Area ( $A_{min}$ ):	81.6	mm <sup>2</sup>
Effective Volume ( $V_e$ ):	6167	mm <sup>3</sup>
Approximate weight(m):	32	g/set



**“Clamping force for AL measurement is 40 ±20 N, unless otherwise stated”**

EE3209 Un-gapped (OL)

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

Material Grade	Initial Permeability ( $\mu_{iac}$ )	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 ±20%	2650 +30%/-20%	≈ 1840	≤ 0.62	≤ 0.55	≤ 3.0
CF297	2300 ±20%	2800 +30%/-20%	≈ 1990	≤ 0.59	≤ 0.53	≤ 2.78

EE3209 Gapped

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

Material Grade	Gap Value in mm/Pc	S, T		D	
		AL(nH) Approx./Set	$\mu_e$ Approx./Set	AL(nH) Approx. /Set	$\mu_e$ Approx./Set
CF139	0.1 ±0.02	≈ 811	≈ 576	≈ 483	≈ 343
CF139	0.20 ±0.02	≈ 483	≈ 343	≈ 288	≈ 204
CF139	0.25 ±0.02	≈ 409	≈ 290	≈ 243	≈ 173
CF139	0.45 ±0.04	≈ 263	≈ 187	≈ 157	≈ 111
CF139	0.50 ±0.05	≈ 243	≈ 173	≈ 145	≈ 103
CF139	0.70 ±0.05	≈ 185	≈ 133	≈ 110	≈ 78
CF139	1.00 ±0.05	≈ 145	≈ 103	≈ 86	≈ 61

