



# PRODUCT DATA APPROVAL SHEET

Core-CF139PM8770

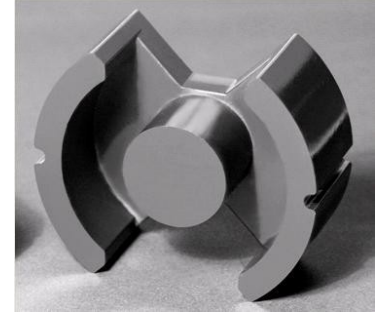
Cosmo Ferrites Ltd. -INDIA

**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 ( $L_e$ ):	146	mm
Effective Area ( $A_e$ ):	910	mm <sup>2</sup>
Effective Area ( $A_{min}$ ):	700	mm <sup>2</sup>
Effective Volume ( $V_e$ ):	133000	mm <sup>3</sup>
Approximate weight(m):	880	g/set

"Clamping force for AL measurement is 1250 ±250 N, unless otherwise stated"



## PM8770 Un-gapped (OL)

Test Conditions: 1kHz/1mT/CFR COIL, N=10/25°C

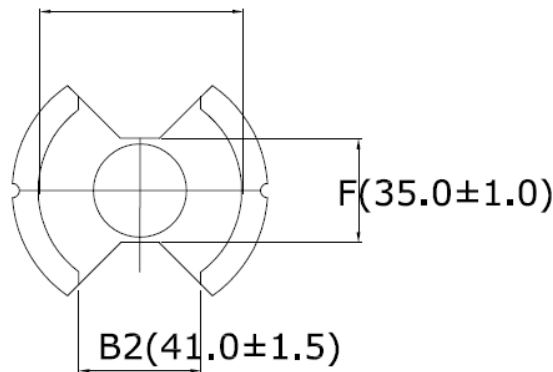
Material Grade	Initial Permeability( $\mu_{iac}$ )	AL Value (nH)	$\mu_e$ Approx./Set	$P_V$ (W/set) (25kHz,200mT, 100°C)	$P_V$ (W/set) (100kHz,100mT, 100°C)
CF139	2100 ±20%	12500 +30%/-20%	≈ 1595	≤ 12.5	≤ 8.0

## PM8770 Gapped

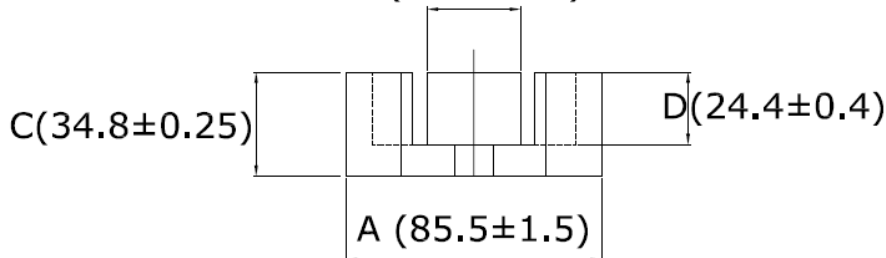
Test Conditions: 1kHz/300mV/CFR COIL, N=10/25°C

Material Grade	AL(nH) Approx. /Set	S, T		D	
		Gap Value in mm/Pc	$\mu_e$ Approx./Set	Gap Value in mm/Pc	$\mu_e$ Approx./Set
CF139	2750±8%	≈ 0.37	≈353	-	-
CF139	400±3%	≈ 3.97	≈51	≈ 1.99	≈51
CF139	194±3%	-	-	≈5.15	≈15

B1(68.15±1.05)



E(31.2±0.5)



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