



# PRODUCT DATA APPROVAL SHEET

Core- EE1605

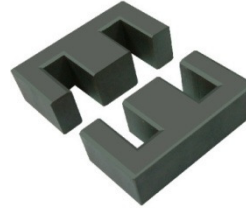
Cosmo Ferrites Ltd. - INDIA

**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)**

- Effective Length ( $L_e$ ): 37.6mm
- Effective Area ( $A_e$ ): 20.1mm<sup>2</sup>
- Effective Area ( $A_{Min}$ ): 19.4mm<sup>2</sup>
- Effective Volume ( $V_e$ ): 756mm<sup>3</sup>

**Approximate weight (without Gap): 3.6g/set**



## EE1605 Un-gapped (OL)

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

Material	Initial Permeability ( $\mu_{iac}$ )	AL Value (nH)/Set	$P_v$ (W/set)	Ordering code
CF139	2100 $\pm$ 20%	1050 +30%/-20%	$\leq$ 0.08(100mT,100kHz, 100°C)	CF139EE1605 OL

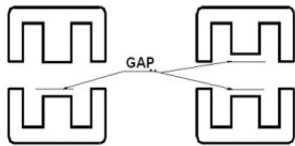
## EE1605 Gapped

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

Material Grade	Gap-Value(mm)/Pc	S, T **)		D **)		Ordering Code
		Approx.AL-Value (nH)/Set	$\mu_e$ Approx./Set	Approx.AL-Value (nH)/Set	$\mu_e$ Approx./Set	
CF139	0.30 $\pm$ 0.04	$\approx$ 79	$\approx$ 118	-	-	CF139 EE1605 Gap 0.30 S

\*\*) S, T -> AL value in the table applies to a core set comprising one un-gapped core (g=0) and one gapped core (g>0)

D -> AL value in the table applies to a core set comprising one gapped core (g>0) and one gapped core (g>0)



Single Sided Gap(S,T)      Double Sided Gap(D)

### Delivery Procedure

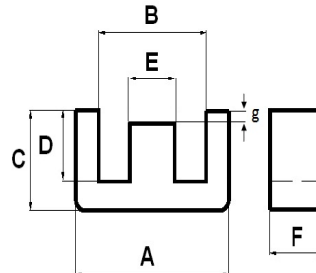
S: 50% gapped Core and 50% Un-gapped core

T: 100% gapped cores (Un-gapped core to be ordered separately)

D: 100% gapped cores

### Dimensions:

Dimension	Nominal (in mm)	Maximum (in mm)	Minimum (in mm)
A	16.0	16.7	15.5
B	11.4	11.9	11.4
C	8.2	8.2	7.9
D	5.7	6.1	5.7
E	4.7	4.7	4.4
F	4.7	4.7	4.3



For Cosmo Ferrites Limited-INDIA

Checked By: A.K.

Approved By: B.S.

Authorized By: KSR

Date: 05-11-2014(ISSUE NO.1)

Customer's Approval

Authorized Signatory:

Name:

Date:

**NOTE: Please send this Data Sheet back to Cosmo Ferrites Ltd. after approval. If not received back within 15 days, it will be presumed that all the specifications given in the consent/data sheet are acceptable to the concerned.**