



# PRODUCT DATA APPROVAL SHEET

Core-CF139EE4012

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 ( $L_e$ ):	79.0	mm
Effective Area ( $A_e$ ):	153.0	mm <sup>2</sup>
Effective Area ( $A_{min}$ ):	136.0	mm <sup>2</sup>
Effective Volume ( $V_e$ ):	12100	mm <sup>3</sup>
Approximate weight(m):	60	g/set



"Clamping force for AL measurement is 40±15 N, unless otherwise stated"

## EE4012 Un-gapped (OL)

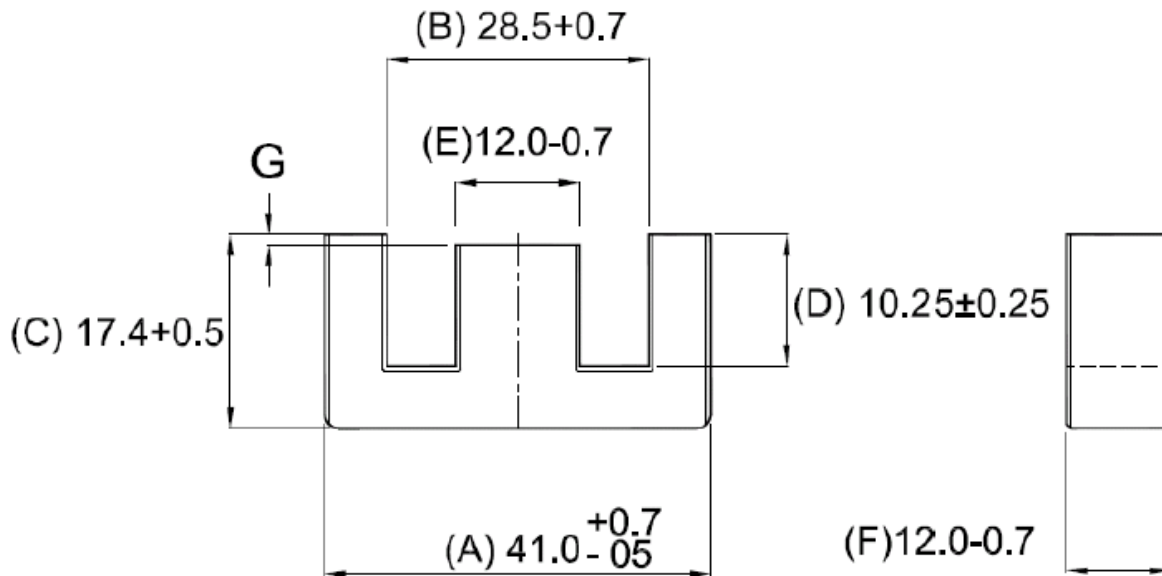
Test Conditions: 1kHz/1mT/CFR COIL, N=100/25°C

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%	4100+30%/-20%	≈1684	≤ 1.3	≤ 1.21	≤ 6.05

## EE4012 Gapped

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

Material Grade	Gap Value in mm/Pc	S, I		D	
		AL(nH) Approx./Set	$\mu_e$ Approx./Set	AL(nH) Approx./Set	$\mu_e$ Approx./Set
CF139	0.4 ±0.05	≈ 488	≈201	≈283	≈ 115



Checked By: A.K.  
 Approved By: B.S.  
 Authorized By: KSR  
 Date:27-08-2015(ISSUE NO.1)

Customer's Approval  
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