PRODUCT DATA APPROVAL SHEET

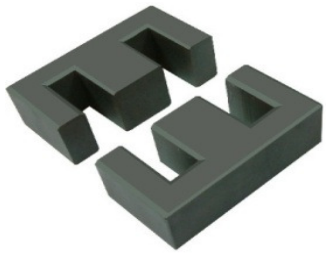
Core-EE1605N

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):	37.6	mm
Effective Area (A_e):	20.1	mm^2
Effective Area (A_{min}):	19.4	mm^2
Effective Volume (V_e):	756	mm^3
Approximate weight(m):	3.6	g/set



"Clamping force for AL measurement is 20 ±10 N, unless otherwise stated"

EE1605N Un-gapped (OL)

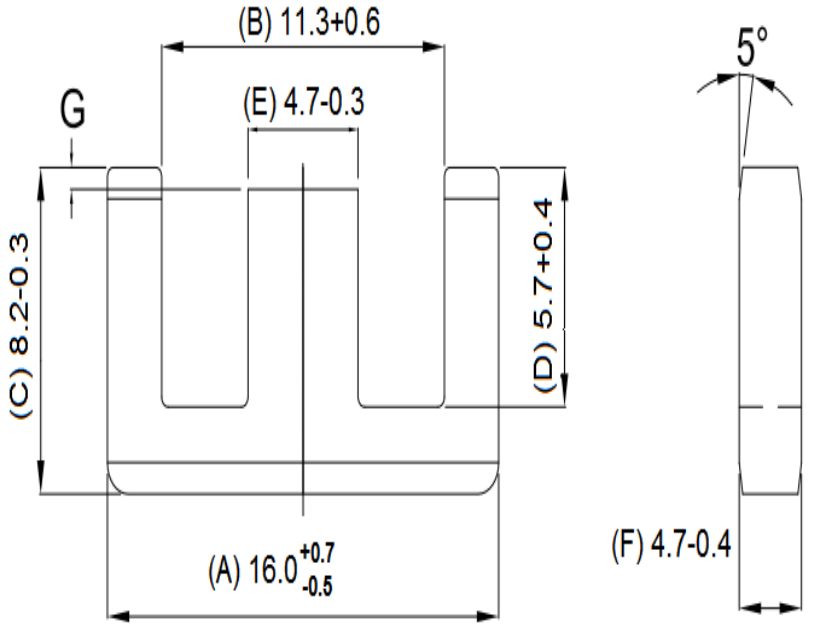
Test Conditions: 1KHz/100mV/CFR COIL, N=100/25˚C

Material Grade	Initial Permeability (μ_{iac})	AL Value (nH)	μ_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)	Ordering code
CF139	2100 ±20%	1050 +30%/-20%	≈ 1572	≤ 0.09	≤ 0.076	≤0.38	CF139 EE1605N

EE1605N Gapped

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

Material Grade	AL-Value (nH)/set	S, T		D		Ordering code
		Approx.Gap-Value (mm)/Pc	μ_e Approx./Set	Approx.Gap-Value (mm)/Pc	μ_e Approx./Set	
CF139	96 ±7%	≈ 0.28	≈ 142	≈ 0.15	≈ 237	CF139 EE1605N AL96 S/T/D
CF139	130 ±7%	≈ 0.20	≈ 194	≈ 0.10	≈ 194	CF139 EE1605N AL130 S/T/D
CF139	145 ±7%	≈ 0.17	≈ 216	≈ 0.085	≈ 216	CF139 EE1605N AL145 S/T/D
CF139	210 ±10%	≈ 0.10	≈ 313	-	-	CF139 EE1605N AL210 S/T



General Terms & Conditions

SEMIC TRADE

For Cosmo Ferrites Limited:
Checked By: J.C..
Approved By: B.S.
Authorized By: KSR
Date: 20-09-2023
Rev. No.: 07

Customer's Approval
Authorized Signatory:
Name:
Date:

General Terms & Conditions

COSMO FERRITES

SEMIC TRADE

Semic Trade, s.r.o., Volutová 2521/18, 158 00 Praha 5
Telephone: +420 251 625 331, 251 625 332, 251 625 377
GSM: +420 605 999 994 Fax:+420 251 626 252

www.semic.cz
semic@semic.cz