



PRODUCT DATA APPROVAL SHEET

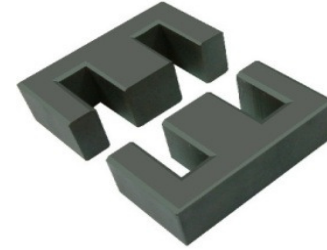
Core-EE1605N

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)

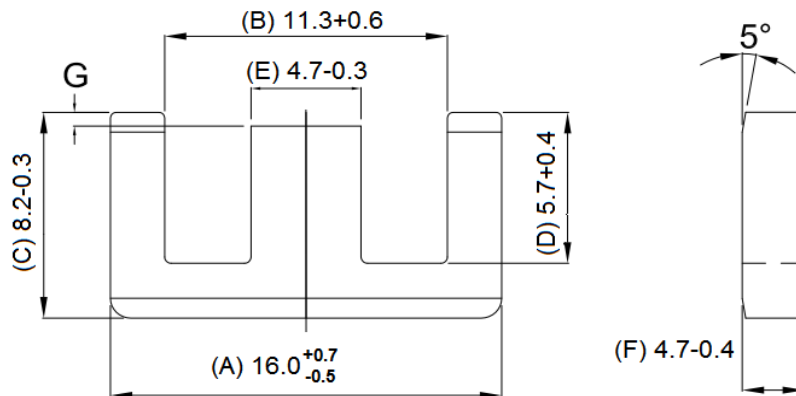
Test Conditions: 1kHz/1mT/CFR COIL, N=100/25°C

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 OL

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	69 ±5%	≈ 0.50	≈ 104	≈ 0.25	≈ 104	CF139 EE1605N AL69 S/T/D
CF139	97 ±5%	≈ 0.30	≈ 144	≈ 0.15	≈ 144	CF139 EE1605N AL97 S/T/D
CF139	100 ±7%	≈ 0.29	≈ 149	≈ 0.14	≈ 149	CF139 EE1605N AL100 S/T/D
CF139	115 ±7%	≈ 0.24	≈ 171	≈ 0.12	≈ 171	CF139 EE1605N AL115 S/T/D
CF139	120 ±7%	≈ 0.22	≈ 179	≈ 0.11	≈ 179	CF139 EE1605N AL120 S/T/D
CF139	130 ±7%	≈ 0.20	≈ 194	≈ 0.10	≈ 194	CF139 EE1605N AL130 S/T/D
CF139	140 ±7%	≈ 0.18	≈ 208	≈ 0.09	≈ 208	CF139 EE1605N AL140 S/T/D
CF139	145 ±7%	≈ 0.17	≈ 216	≈ 0.085	≈ 216	CF139 EE1605N AL145 S/T/D
CF139	152 ±7%	≈ 0.16	≈ 226	≈ 0.08	≈ 226	CF139 EE1605N AL152 S/T/D
CF139	165 ±7%	≈ 0.14	≈ 246	≈ 0.07	≈ 246	CF139 EE1605N AL165 S/T/D
CF139	204 ±10%	≈ 0.11	≈ 304	-	-	CF139 EE1605N AL204 S/T
CF139	210 ±10%	≈ 0.10	≈ 313	-	-	CF139 EE1605N AL210 S/T
CF139	212 ±10%	≈ 0.10	≈ 316	-	-	CF139 EE1605N AL212 S/T
CF139	245 ±12%	≈ 0.08	≈ 365	-	-	CF139 EE1605N AL245 S/T
CF139	250 ±12%	≈ 0.08	≈ 372	-	-	CF139 EE1605N AL250 S/T
CF139	303 ±15%	≈ 0.06	≈ 451	-	-	CF139 EE1605N AL303 S/T
CF139	305 ±15%	≈ 0.05	≈ 453	-	-	CF139 EE1605N AL305 S/T



General Terms & Conditions



Checked By: A.K.
Approved By: B.S.
Authorized By: KSR
Date: 01-08-2020
Rev. No.: 04

Customer's Approval
Authorized Signatory:
Name:
Date:

General Terms & Conditions



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