



Core-EE8020

PRODUCT DATA

Cosmo Ferrites Ltd. -INDIA

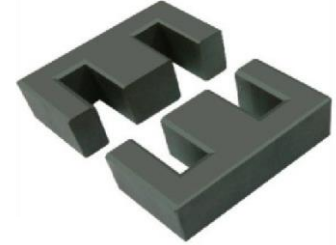
APPROVAL SHEET

Appearance & Shape: To be free from any defect such as flow, burrs, unevenness etc, as per IEC

Parameter	Value	Unit
Effective Length (L _e):	184.0	mm
Effective Area (A _e):	392.0	mm ²
Effective Area (A _{min}):	378.0	mm ²
Effective Volume (V _e):	72300	mm ³
Approximate weight(m):	340	g/set

standards. Effective Parameters irrespective of material grade (per set)

EE8020 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)
CF139	2100 ±20%	4500 +30%/-20%	≈ 1680	≤ 9.04	≤ 6.50
CF297	2300 ±20%	4800 +30%/-20%	≈ 1800	≤ 8.32	≤ 5.78

EE8020 Un-gapped (OL)

Material	Gap Value mm/Pc	S,T		D	
		AL Approx. (nH)/Set	μ _e Approx./Set	AL Approx. (nH)/Set	μ _e Approx./Set
CF139	1.5 ±0.02	≈ 407	≈ 152	≈ 244	≈ 91
CF139	2.0 ±0.02	≈ 328	≈ 123	≈ 199	≈ 74
CF139	3.0 ±0.04	≈ 244	≈ 91	≈ 151	≈ 56
CF139	5.0 ±0.05	≈ 171	≈ 63	≈ 107	≈ 40
CF139	10.0 ±0.05	≈ 107	≈ 40	-	-
CF297	1.5 ±0.02	≈ 415	≈ 165	≈ 255	≈ 102
CF297	2.0 ±0.02	≈ 335	≈ 135	≈ 205	≈ 86
CF297	3.0 ±0.04	≈ 254	≈ 75	≈ 162	≈ 63
CF297	5.0 ±0.05	≈ 182	≈ 55	≈ 118	≈ 47
CF297	10.0 ±0.05	≈ 118	≈ 47	-	-

