PRODUCT DATA APPROVAL SHEET

Ferrites Ltd. - INDIA
Core- ETD2910

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 ($L_e$): 71.0 mm
Effective Area ($A_e$): 76.0 $mm^2$
Effective Area ($A_{Min}$): 71.0 $mm^2$
Effective Volume ($V_e$): 5377 $mm^3$
Approximate weight (without Gap): 27g/Set

ETD2910 Un-gapped (OL)
Test Conditions: 1 KHz/300mV/N=100/25˚C

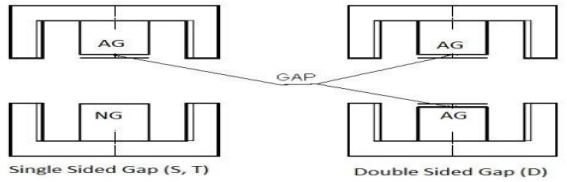
| Material | Initial Permeability ($\mu_{iac}$) | AL Value (nH) | $\mu_e$ approx. | $P_V$ (W/set) |
|---|---|---|---|---|
| CF138 | 2100 ±20% | 2350 +30%/-20% | ≈ 1783 | <0.53(100mT,100kHz,100$^0$C) |
| CF139 | 2100 ±20% | 2350 +30%/-20% | ≈ 1783 | <0.53(100mT,100kHz,100$^0$C) |

ETD2910 Gapped
Test Conditions: 1 KHz/300mV/N=100/25˚C

| Material | Gap-Value(mm) | S, T **) | | D **) | |
|---|---|---|---|---|---|
| | | Approx.AL (nH)/Set | $\mu_e$ Approx | Approx.AL (nH)/Set | $\mu_e$ Approx |
| CF138/CF139 | 0.05 ±0.01 | ≈ 1164 | ≈ 854 | ≈ 621 | ≈ 458 |
| CF138/CF139 | 0.10 ±0.02 | ≈ 621 | ≈ 458 | ≈ 382 | ≈ 282 |
| CF138/CF139 | 0.20 ± 0.02 | ≈ 382 | ≈ 282 | ≈ 235 | ≈ 174 |
| CF138/CF139 | 0.25 ±0.04 | ≈ 327 | ≈ 241 | ≈ 201 | ≈ 148 |
| CF138/CF139 | 0.40 ±0.04 | ≈ 235 | ≈ 174 | ≈ 145 | ≈ 107 |
| CF138/CF139 | 0.50 ±0.06 | ≈ 201 | ≈ 148 | ≈ 124 | ≈ 91 |
| CF138/CF139 | 0.70 ± 0.06 | ≈ 159 | ≈ 117 | ≈ 98 | ≈ 72 |
| CF138/CF139 | 1.00 ± 0.06 | ≈ 124 | ≈ 91 | ≈ 76 | ≈ 56 |
| CF138/CF139 | 1.50 ± 0.06 | ≈ 93 | ≈ 69 | ≈ 57 | ≈ 42 |
| CF138/CF139 | 2.00 ± 0.06 | ≈ 76 | ≈ 56 | ≈ 51 | ≈ 38 |
| CF138/CF139 | 3.00 ± 0.06 | ≈ 57 | ≈ 42 | - | - |

**) S, T -> AL value in the table applies to a core set comprising one ungapped 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)

| Dimension | Nominal (in mm) | Maximum (in mm) | Minimum (in mm) |
|---|---|---|---|
| A | 30.6 | 30.6 | 29.0 |
| B | 22.0 | 23.4 | 22.0 |
| C | 16.0 | 16.0 | 15.6 |
| D | 10.7 | 11.3 | 10.7 |
| E | 9.8 | 9.8 | 9.2 |
| F | 9.8 | 9.8 | 9.2 |

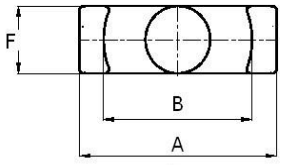



Delivery Procedure

S: 50% gapped Core and 50% Ungapped core

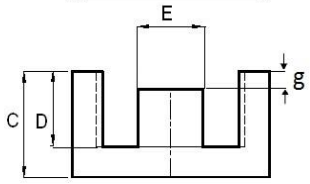
T: 100% gapped cores ordered separately)

(ungapped core to be
D: 100% gapped cores




Dimensions
For Cosmo Ferrites

Limited-INDIA




Checked By: A.K.
Approved By: B.S.
Authorized By: KSR
Date: 14-01-2013

**Prodin Ferrite S.L.**

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona (Spain)
Tel.: +34 93 672 46 10
info@prodinferrite.com www.prodinferrite.com