



PRODUCT DATA APPROVAL SHEET

Core- RM8

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)

- Effective Length (L_e): 38.0mm
- Effective Area (A_e): 64.0mm²
- Effective Area (A_{Min}): 61.0mm²
- Effective Volume (V_e): 2430mm³



Approximate weight (without Gap): 12gram/Set

RM8 Un-gapped (OL)

Test Conditions: 1kHz/1mT/COSMO COIL, FBW, N=100/Lo=80.1uH/25°C

| Material | Initial Permeability (μ_{iac}) | AL Value (nH)/Set | μ_e Approx./Set | P_V (W/set) |
|----------|--------------------------------------|-------------------|---------------------|-----------------------------|
| CF139 | 2100 ±20% | 3650 +30%/-20% | ≈1650 | ≤0.24(100mT, 100kHz, 100°C) |

RM8 Gapped

Test Conditions: 1kHz/300mV/COSMO COIL, FBW, N=100/Lo=80.1uH /25°C

| Material Grade | AL- Value (nH)/Set | S, T **) | | D **) | |
|----------------|--------------------|---------------------------|---------------------|---------------------------|---------------------|
| | | Gap-Value Approx. (mm)/Pc | μ_e Approx./Set | Gap-Value Approx. (mm)/Pc | μ_e Approx./Set |
| CF139 | 250 ± 5% | ≈ 0.30 | ≈ 119 | ≈ 15 | ≈ 119 |

**) S, T -> AL value in the table applies to a core set comprising one ungapped core (g=0) and one gapped core (g>0)

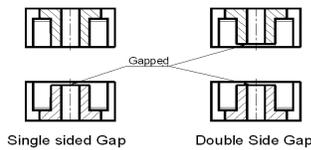
D -> AL value in the table applies to a core set comprising one gapped core (g>0) and one gapped core (g>0)

Delivery Procedure

S: 50% gapped Core and 50% Un-gapped core

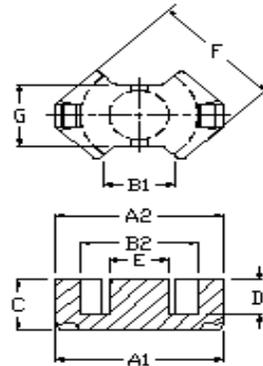
T: 100% gapped cores (Un-gapped core to be ordered separately)

D: 100% gapped cores



Dimensions:

| Dimension | Nominal (in mm) | Maximum (in mm) | Minimum (in mm) |
|-----------|-----------------|-----------------|-----------------|
| A1/A2 | 22.75 | 23.2 | 22.3 |
| B1 | - | - | 9.8 |
| B2 | 17.3 | 17.6 | 17.0 |
| C | 8.2 | 8.35 | 8.05 |
| D | 5.5 | 5.65 | 5.35 |
| E | 8.4 | 8.55 | 8.25 |
| F | 19.25 | 19.7 | 18.8 |
| G | 10.8 | 11.0 | 10.6 |



For Cosmo Ferrites Limited-INDIA

Checked By: A.K.
 Approved By: B.S.
 Authorized By: KSR
 Date: 18-09-2013(ISSUE NO.2)

Customer's Approval

Authorized Signatory:
 Name:
 Date: