



# PRODUCT DATA APPROVAL SHEET

Core- EFF2509

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 ( $L_e$ ): 57.0mm
  - Effective Area ( $A_e$ ): 58.0mm<sup>2</sup>
  - Effective Area ( $A_{Min}$ ): 55.4mm<sup>2</sup>
  - Effective Volume ( $V_e$ ): 3306mm<sup>3</sup>
- Approximate weight (without Gap): 16g/Set



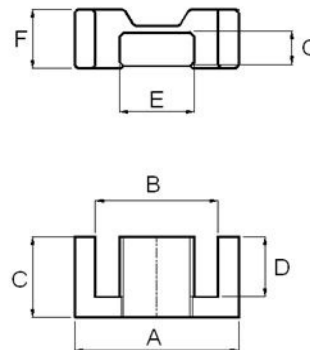
## EFF2509 Un-gapped (OL)

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

| Material Grade | Initial Permeability ( $\mu_{iac}$ ) | AL Value (nH)/Set | $P_v$ (W/set)                    | Ordering code   |
|----------------|--------------------------------------|-------------------|----------------------------------|-----------------|
| CF139          | 2100 $\pm$ 20%                       | 2050 +30%/-20%    | $\leq$ 0.33(100mT,100kHz, 100°C) | CF139EFF2509 OL |

## Dimensions:

| Dimension | Nominal (in mm) | Maximum (in mm) | Minimum (in mm) |
|-----------|-----------------|-----------------|-----------------|
| A         | 25.0            | 25.65           | 24.35           |
| B         | 18.7            | 19.3            | 18.1            |
| C         | 12.5            | 12.65           | 12.35           |
| D         | -               | -               | 9.05            |
| E         | 11.4            | 11.6            | 11.2            |
| F         | 9.1             | 9.3             | 8.9             |
| G         | 5.2             | 5.35            | 5.05            |



For Cosmo Ferrites Limited-INDIA

Checked By: R.S.  
 Approved By: B.S.  
 Authorized By: KSR  
 Date: 21-12-2020 (ISSUE NO.1)

Customer's Approval

Authorized Signatory:

Name:

Date:

**NOTE: Please send this Data Sheet back to Cosmo Ferrites Ltd. after approval. If not received back within 15 days, it will be presumed that all the specifications given in the consent/data sheet are acceptable to the concerned.**