



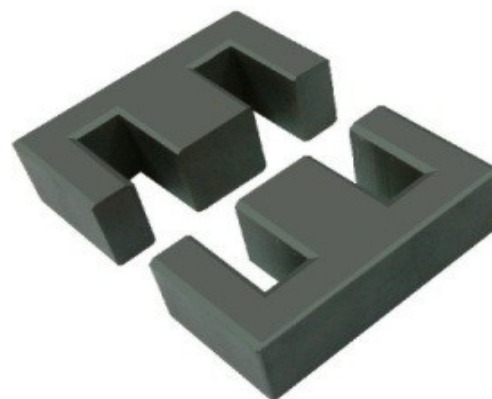
## PRODUCT DATA SHEET

## CORE – EE12820

**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)

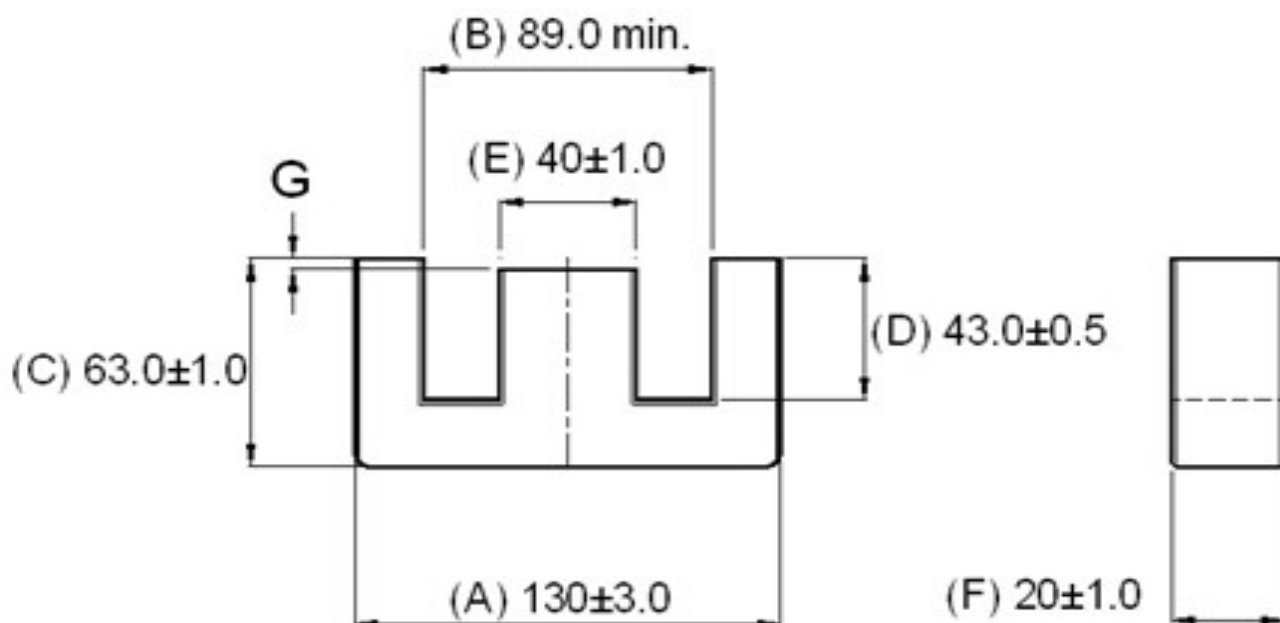
| Parameter                    | Value  | Unit            |
|------------------------------|--------|-----------------|
| Effective Length ( $L_e$ )   | 285.5  | mm              |
| Effective Area ( $A_e$ )     | 792.7  | mm <sup>2</sup> |
| Effective Area ( $A_{Min}$ ) | 757.9  | mm <sup>2</sup> |
| Effective Volume ( $V_e$ )   | 226230 | mm <sup>3</sup> |
| Approx. Weight (without gap) | 1100   | g/set           |



### EE12820 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    |
|----------------|--------------------------------------|-------------------|----------------------------------|------------------|
| CF292          | 1800 $\pm$ 20%                       | 5700 +30%/-20%    | $\leq$ 27.1 (100mT,100kHz,100°C) | CF292 EE12820 OL |
| CF139          | 2100 $\pm$ 20%                       | 6400 +30%/-20%    | $\leq$ 22.6(100mT,100kHz,100°C)  | CF139 EE12820 OL |
| CF297          | 2300 $\pm$ 20%                       | 6800 +30%/-20%    | $\leq$ 20.3 (100mT,100kHz,100°C) | CF297 EE12820 OL |



Remarks: Value of “G” is Zero (0) for Un-Gapped Cores, for Gapped Cores the value of “G” varies as per the Gap/AL value

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