



## PRODUCT DATA SHEET

## CORE – PQ4040

**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)

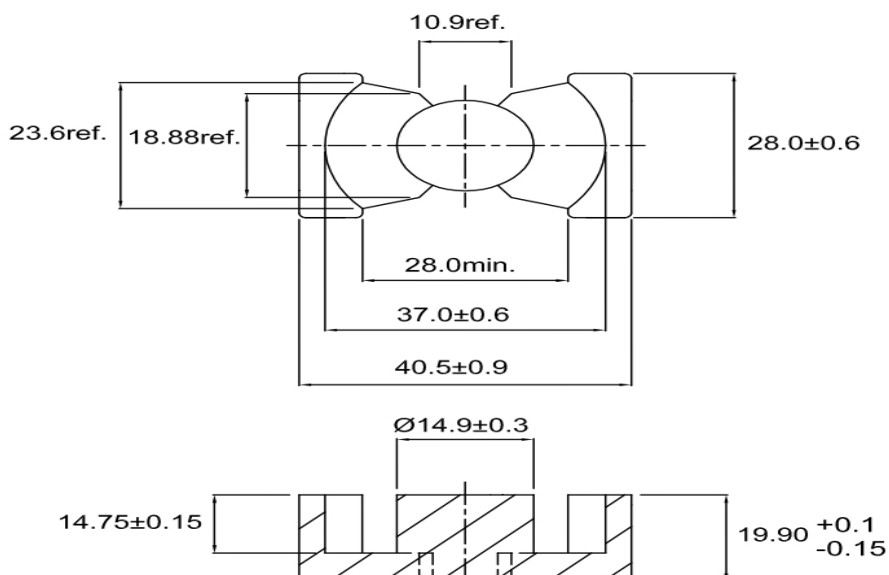
| Parameter                    | Value | Unit            |
|------------------------------|-------|-----------------|
| Effective Length ( $L_e$ )   | 92.5  | mm              |
| Effective Area ( $A_e$ )     | 188.3 | mm <sup>2</sup> |
| Effective Area ( $A_{Min}$ ) | 181.6 | mm <sup>2</sup> |
| Effective Volume ( $V_e$ )   | 17430 | mm <sup>3</sup> |
| Approx. Weight (without gap) | 97    | g/set           |



**PQ4040F 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%                       | 4300 +30%/-20%    | $\leq 1.74$ (100mT,100kHz,100°C) | CF139 PQ4040 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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