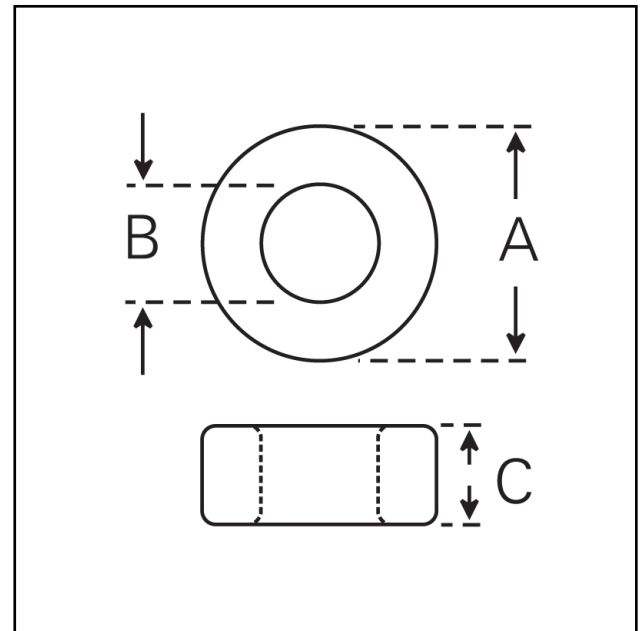


Dimensions

| Symbol | Value (mm) | ±     |
|--------|------------|-------|
| 'A'    | 38.10      | 1.52  |
| 'B'    | 25.40      | 1.02  |
| 'C'    | 12.70      | 0.381 |

Effective Geometric Parameters

| Parameter                       | Symbol | Value | Unit             |
|---------------------------------|--------|-------|------------------|
| $\Sigma(l/A)$                   | $C_1$  | 1.220 | mm <sup>-1</sup> |
| effective magnetic path length  | $l_e$  | 97.06 | mm               |
| effective area of magnetic path | $A_e$  | 79.54 | mm <sup>2</sup>  |
| effective volume                | $V_e$  | 7721  | mm <sup>3</sup>  |

Electrical Specification

| Grade | $A_L$ | Tolerance on $A_L$ (%) | Coating    | $\mu_i$ | Part No.  |
|-------|-------|------------------------|------------|---------|-----------|
| F25*  | 52    | +30/-20                | No Coating | ≈50     | 28-042-34 |
| F14   | 226   | +30/-20                | No Coating | ≈220    | 28-042-31 |
| F9    | 4530  | +30/-20                | Epoxy      | ≈4400   | 28-742-36 |

Please note all dimensions are nominal and given for uncoated cores.

**Coating Characteristics**

Dielectric breakdown strength and approximate thickness per surface for coated cores is as follows:

Epoxy      1000V dc for cores up to 10mm outside diameter  
 1500V dc for cores >10mm and ≤20mm outside diameter  
 2000V dc for cores >20mm outside diameter  
 Coating thickness is approximately 0.25mm

Enamel      Cores are coated for identification purposes only.  
 They can be either fully or partially coated and no breakdown strength can be guaranteed.  
 Coating thickness is approximately 0.25mm

\* Please note that these are permivar ferrites and should not be used in power or pulse applications or exposed to strong magnetic fields.