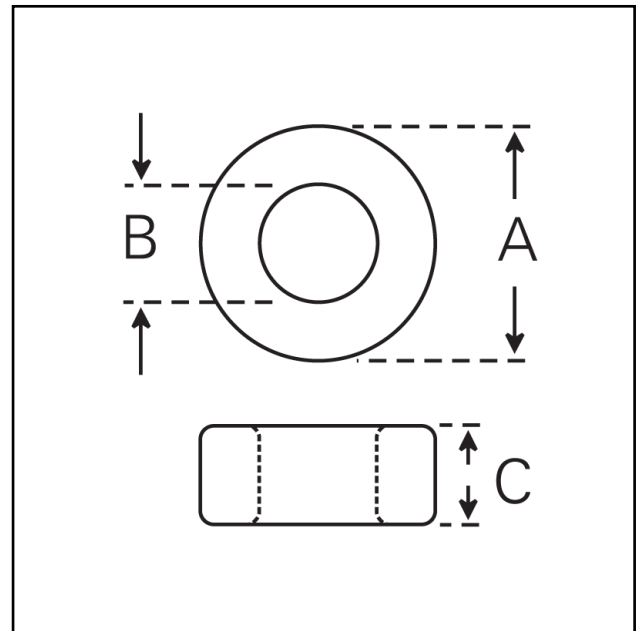


Dimensions

| Symbol | Value (mm) | ± |
|--------|------------|------|
| 'A' | 25.00 | 1.30 |
| 'B' | 15.00 | 0.77 |
| 'C' | 10.00 | 0.30 |

Effective Geometric Parameters

| Parameter | Symbol | Value | Unit |
|---------------------------------|--------|--------|------------------|
| $\Sigma(l/A)$ | C_1 | 1.230 | mm^{-1} |
| effective magnetic path length | l_e | 60.180 | mm |
| effective area of magnetic path | A_e | 48.927 | mm^2 |
| effective volume | V_e | 2944 | mm^3 |

Electrical Specification

| Grade | A_L | Tolerance on A_L (%) | Coating | μ_i | Part No. |
|-------|-------|------------------------|---------------------|----------------|------------|
| F44 | 1941 | +30/-20 | Epoxy | ≈ 1900 | 28-780-44 |
| F9 | 5000 | +30/-20 | Epoxy triple coated | ≈ 4400 | 28-780-36P |

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 ≤ 20 mm 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