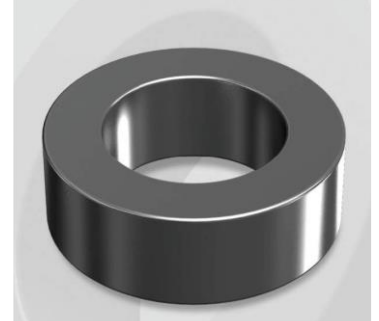


CM270173G

Electrical Characteristics

| Material | Permeability (μ) | AL ± 8% (nH/N2) | DCB (% , min) @ 20 Oe | Coreloss (mW/cm ² , max) @50kHz, 1000G |
|----------|------------------|-----------------|-----------------------|---|
| MPP | 173 | 217 | 73.60 | 330 |

OD : 270



Core Dimensions

| Dimensions | | Uncoated | | Coated | | Color | Packaging |
|------------|-------|----------|--------|--------|--------|-------|-------------------|
| | | (mm) | (inch) | (mm) | (inch) | | |
| OD | (Max) | 26.92 | 1.060 | 27.70 | 1.090 | Black | Box Qty = 360 pcs |
| ID | (min) | 14.73 | 0.580 | 14.10 | 0.555 | | |
| HT | (max) | 11.18 | 0.440 | 11.99 | 0.472 | | |

Physical Characteristics

| Cross Section (A) | Path Length (ℓ) | Window Area (Wa) | Volume (V) | Breakdown Voltage (Vac) |
|------------------------|-----------------|----------------------|------------------------|-------------------------|
| 0.654 cm ² | 6.35 cm | 1.56 cm ² | 4.154 cm ³ | 1,000 |
| 0.1014 in ² | 2.50 in | 308,000 cmil | 0.2536 in ³ | |

Winding Information

| AWG Wire No. Dia. (cm) | Single Layer Turn Rdc. (Ω) | AWG Wire No. Dia. (cm) | Single Layer Turn Rdc. (Ω) | Winding length/turn (cm) | | |
|------------------------|----------------------------|------------------------|----------------------------|---|-------|-------|
| 28 0.0366 | 9 0.0237 | 37 0.0140 | 27 0.363 | 3.758 | | |
| 29 0.0330 | 10 0.0314 | 38 0.0124 | 30 0.503 | | | |
| 30 0.0294 | 11 0.0431 | 39 0.0199 | 35 0.727 | 40% winding factor Surface Area (cm ²) | | |
| 31 0.0267 | 13 0.0581 | 40 0.0096 | 40 1.02 | | | |
| 32 0.0241 | 14 0.0768 | 41 0.00863 | 44 1.37 | 34.42 | | |
| 33 0.0216 | 16 0.1050 | 42 0.00762 | 50 1.90 | | | |
| 34 0.0191 | 19 0.1460 | 43 0.00685 | 56 2.67 | 40% Wound Di.(mm) | | |
| 35 0.0170 | 21 0.2000 | 44 0.00635 | 60 3.45 | | | |
| 36 0.0152 | 24 0.2720 | | | OD | ID | HT |
| | | | | 31.16 | 9.226 | 16.16 |

Typical DC Bias Performance

