

CK166090G

Electrical Characteristics

| Material | Permeability (μ) | AL \pm 8% (nH/N ²) | DCB (% min) @ 60 Oe | Coreloss (mW/cm ³ , max) @ 50kHz, 1000G |
|-----------|------------------------|----------------------------------|---------------------|--|
| Mega Flux | 90 | 52 | 55.2 | 710 |

OD : 166



Core Dimensions

| Dimensions | | Uncoated | | Coated | | Color | Packaging |
|------------|-------|----------|--------|--------|--------|-------|---------------------|
| | | (mm) | (inch) | (mm) | (inch) | | |
| OD | (Max) | 16.51 | 0.650 | 17.40 | 0.685 | Black | Box Qty = 1,960 pcs |
| ID | (min) | 10.16 | 0.400 | 9.53 | 0.375 | | |
| HT | (max) | 6.35 | 0.250 | 7.11 | 0.280 | | |

Physical Characteristics

| Cross Section (A) | Path Length (l) | Window Area (Wa) | Volume (V) | Breakdown Voltage (Vac) |
|-------------------------|---------------------|-----------------------|------------------------|-------------------------|
| 0.1920 cm ² | 4.11 cm | 0.713 cm ² | 0.7891 cm ³ | 1,000 |
| 0.02976 in ² | 1.618 in | 140,714 cmil | 0.0482 in ³ | |

Winding Information

| | | |
|--|------|------|
| 0% Winding length/turn (cm) | | |
| 2.209 | | |
| 40% winding factor Surface Area (cm ²) | | |
| 13.66 | | |
| 40% Wound Di.(mm) | | |
| OD | ID | HT |
| 19.77 | 6.24 | 9.94 |

Typical DC Bias Performance

