

# CM102026G

## Electrical Characteristics

| Material | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 200 Oe | Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 1000G |
|----------|------------------------|----------------------------------|----------------------|--|
| MPP      | 26                     | 14                               | 49.68                | 255  |

OD : 102



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging           |
|------------|-------|----------|--------|--------|--------|-------|---------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                     |
| OD         | (Max) | 10.16    | 0.400  | 10.80  | 0.425  | Black | Box Qty = 8,000 pcs |
| ID         | (min) | 5.08     | 0.200  | 4.57   | 0.180  |       |                     |
| HT         | (max) | 3.96     | 0.156  | 4.57   | 0.180  |       |                     |

## Physical Characteristics

| Cross Section (A)       | Path Length ( $l$ ) | Window Area (Wa)      | Volume (V)              | Breakdown Voltage (Vac) |
|-------------------------|---------------------|-----------------------|-------------------------|-------------------------|
| 0.1000 cm <sup>2</sup>  | 2.38 cm             | 0.164 cm <sup>2</sup> | 0.2380 cm <sup>3</sup>  | 1,000                   |
| 0.01550 in <sup>2</sup> | 0.937 in            | 32,366 cmil           | 0.01452 in <sup>3</sup> |                         |

## Winding Information

|  |      |      |
|--|------|------|
| 0% Winding length/turn (cm)                        |      |      |
| 1.537  |      |      |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |      |      |
| 4.85   |      |      |
| 40% Wound Di.(mm)                                  |      |      |
| OD   | ID   | HT   |
| 11.91  | 2.99 | 5.91 |

## Typical DC Bias Performance

