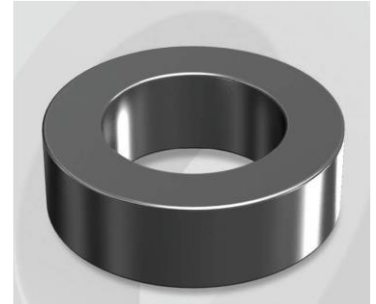


# CM358147G

## Electrical Characteristics

| Material | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 20 Oe | Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 1000G |
|----------|------------------------|----------------------------------|---------------------|--|
| MPP      | 147                    | 138                              | 77.28               | 290  |

OD : 358



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging         |
|------------|-------|----------|--------|--------|--------|-------|-------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                   |
| OD         | (Max) | 35.81    | 1.410  | 36.70  | 1.445  | Black | Box Qty = 240 pcs |
| ID         | (min) | 22.35    | 0.880  | 21.50  | 0.846  |       |                   |
| HT         | (max) | 10.46    | 0.412  | 11.28  | 0.444  |       |                   |

## Physical Characteristics

| Cross Section (A)      | Path Length ( $l$ ) | Window Area (Wa)     | Volume (V)             | Breakdown Voltage (Vac) |
|------------------------|---------------------|----------------------|------------------------|-------------------------|
| 0.678 cm <sup>2</sup>  | 8.98 cm             | 3.64 cm <sup>2</sup> | 6.0884 cm <sup>3</sup> | 1,000                   |
| 0.1051 in <sup>2</sup> | 3.54 in             | 718,374 cmil         | 0.3715 in <sup>3</sup> |                         |

## Winding Information

|  |       |       |
|--|-------|-------|
| 0% Winding length/turn (cm)                        |       |       |
| 3.776  |       |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |       |       |
| 56.09  |       |       |
| 40% Wound Di.(mm)                                  |       |       |
| OD   | ID    | HT    |
| 42.15  | 14.09 | 17.71 |

## Typical DC Bias Performance

