

# CK234075G

OD : 234

## Electrical Characteristics

| Material  | Permeability<br>( $\mu$ ) | AL $\pm$ 8%<br>(nH/N <sup>2</sup> ) | DCB (% min)<br>@ 80 Oe | Coreloss (mW/cm <sup>2</sup> , max)<br>@50kHz, 1000G |
|-----------|---------------------------|-------------------------------------|------------------------|--|
| Mega Flux | 75                        | 63                                  | 53.4                   | 710  |



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging            |
|------------|-------|----------|--------|--------|--------|-------|----------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                      |
| OD         | (Max) | 23.57    | 0.928  | 24.30  | 0.957  | Black | Box Qty<br>= 750 pcs |
| ID         | (min) | 14.40    | 0.567  | 13.77  | 0.542  |       |                      |
| HT         | (max) | 8.89     | 0.350  | 9.70   | 0.382  |       |                      |

## Physical Characteristics

| Cross Section<br>(A)    | Path Length<br>( $l$ ) | Window Area<br>(Wa)   | Volume<br>(V)          | Breakdown Voltage<br>(Vac) |
|-------------------------|------------------------|-----------------------|------------------------|----------------------------|
| 0.3880 cm <sup>2</sup>  | 5.88 cm                | 1.490 cm <sup>2</sup> | 2.2814 cm <sup>3</sup> | 1,000                      |
| 0.06014 in <sup>2</sup> | 2.315 in               | 294,060 cmil          | 0.1392 in <sup>3</sup> |                            |

## Winding Information

|   |      |       |
|---|------|-------|
| 0% Winding length/turn<br>(cm)                        |      |       |
| 2.993   |      |       |
| 40% winding factor<br>Surface Area (cm <sup>2</sup> ) |      |       |
| 26.78   |      |       |
| 40% Wound Di.(mm)                                     |      |       |
| OD  | ID   | HT    |
| 27.76   | 9.02 | 13.81 |

## Typical DC Bias Performance

