

# CS1320090G

## Electrical Characteristics

| Material | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 30 Oe | Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 100G |
|----------|------------------------|----------------------------------|---------------------|---|
| SENDUST  | 90                     | 186                              | 64.4                | 2.4   |

OD : 1320



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging       |
|------------|-------|----------|--------|--------|--------|-------|-----------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                 |
| OD         | (Max) | 132.50   | 5.217  | 134.20 | 5.283  | Black | Box Qty = 5 pcs |
| ID         | (Min) | 78.60    | 3.094  | 77.00  | 3.031  |       |                 |
| HT         | (Max) | 20.30    | 0.799  | 21.70  | 0.854  |       |                 |

## Physical Characteristics

| Cross Section (A)     | Path Length ( $l$ ) | Window Area (Wa)      | Volume (V)             | Breakdown Voltage (Vac) |
|-----------------------|---------------------|-----------------------|------------------------|-------------------------|
| 5.347 cm <sup>2</sup> | 32.4 cm             | 46.57 cm <sup>2</sup> | 173.35 cm <sup>3</sup> | 1,000                   |
| 0.829 in <sup>2</sup> | 12.76 in            | 9,190,102 cmil        | 10.578 in <sup>3</sup> |                         |

## Winding Information

|  |       |       |
|--|-------|-------|
| 0% Winding length/turn (cm)                        |       |       |
| 10.060   |       |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |       |       |
| 617.08   |       |       |
| 40% Wound Di.(mm)                                  |       |       |
| OD   | ID    | HT    |
| 153.59   | 50.41 | 44.69 |

For Your Reference Only

## Typical DC Bias Performance

