

# CS1033090G

## Electrical Characteristics

| Material | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 30 Oe | Coreloss (mW/cm <sup>2</sup> , max) @ 50kHz, 100G |
|----------|------------------------|----------------------------------|---------------------|---|
| SENDUST  | 90                     | 328                              | 64.4                | 2.4   |

OD : 1033



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging       |
|------------|-------|----------|--------|--------|--------|-------|-----------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                 |
| OD         | (Max) | 101.60   | 4.000  | 103.10 | 4.059  | Black | Box Qty = 6 pcs |
| ID         | (Min) | 57.20    | 2.252  | 55.70  | 2.193  |       |                 |
| HT         | (Max) | 33.00    | 1.299  | 34.30  | 1.350  |       |                 |

## Physical Characteristics

| Cross Section (A)     | Path Length (l) | Window Area (Wa)      | Volume (V)             | Breakdown Voltage (Vac) |
|-----------------------|-----------------|-----------------------|------------------------|-------------------------|
| 7.044 cm <sup>2</sup> | 24.3 cm         | 24.37 cm <sup>2</sup> | 170.96 cm <sup>3</sup> | 1,000                   |
| 1.092 in <sup>2</sup> | 9.56 in         | 4,808,939 cmil        | 10.432 in <sup>3</sup> |                         |

## Winding Information

|  |       |       |
|--|-------|-------|
| 0% Winding length/turn (cm)                        |       |       |
| 11.600   |       |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |       |       |
| 438.88   |       |       |
| 40% Wound Di.(mm)                                  |       |       |
| OD   | ID    | HT    |
| 116.93   | 36.46 | 50.84 |

For Your Reference Only

## Typical DC Bias Performance

