

# CS203125G

## 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 |
|----------|------------------------|----------------------------------|---------------------|--|
| SENDUST  | 125                    | 68                               | 64.4                | 320  |

OD : 203



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging           |
|------------|-------|----------|--------|--------|--------|-------|---------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                     |
| OD         | (Max) | 20.32    | 0.800  | 21.10  | 0.831  | Black | Box Qty = 1,368 pcs |
| ID         | (Min) | 12.70    | 0.500  | 12.07  | 0.475  |       |                     |
| HT         | (Max) | 6.35     | 0.250  | 7.11   | 0.280  |       |                     |

## Physical Characteristics

| Cross Section (A)       | Path Length (l) | Window Area (Wa)      | Volume (V)             | Breakdown Voltage (Vac) |
|-------------------------|-----------------|-----------------------|------------------------|-------------------------|
| 0.2260 cm <sup>2</sup>  | 5.09 cm         | 1.140 cm <sup>2</sup> | 1.1503 cm <sup>3</sup> | 1,000                   |
| 0.03503 in <sup>2</sup> | 2.004 in        | 224,985 cmil          | 0.0702 in <sup>3</sup> |                         |

## Winding Information

|  |      |       |
|--|------|-------|
| 0% Winding length/turn (cm)                        |      |       |
| 2.325  |      |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |      |       |
| 18.95  |      |       |
| 40% Wound Di.(mm)                                  |      |       |
| OD   | ID   | HT    |
| 24.13  | 7.89 | 10.72 |

For Your Reference Only

## Typical DC Bias Performance

