

# HP127026G

## Electrical Characteristics

| Material | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 200 Oe | Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 1000G |
|----------|------------------------|----------------------------------|----------------------|--|
| HP       | 26                     | 12                               | 58.0                 | 200  |

OD : 127



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging           |
|------------|-------|----------|--------|--------|--------|-------|---------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                     |
| OD         | (Max) | 12.70    | 0.500  | 13.46  | 0.530  | Black | Box Qty = 4,000 pcs |
| ID         | (min) | 7.62     | 0.300  | 6.99   | 0.275  |       |                     |
| HT         | (max) | 4.75     | 0.187  | 5.51   | 0.217  |       |                     |

## Physical Characteristics

| Cross Section (A)     | Path Length ( $\ell$ ) | Window Area (Wa)     | Volume (V)             | Breakdown Voltage (Vac) |
|-----------------------|------------------------|----------------------|------------------------|-------------------------|
| 0.114 cm <sup>2</sup> | 3.12 cm                | 0.38 cm <sup>2</sup> | 0.356 cm <sup>3</sup>  | 1,000                   |
| 0.018 in <sup>2</sup> | 1.23 in                | 75,587 cmil          | 0.0217 in <sup>3</sup> |                         |

## Winding Information

|  |      |      |
|--|------|------|
| 0% Winding length/turn (cm)                        |      |      |
| 1.749  |      |      |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |      |      |
| 8.00   |      |      |
| 40% Wound Di.(mm)                                  |      |      |
| OD   | ID   | HT   |
| 15.18  | 4.57 | 7.58 |

## Typical DC Bias Performance

