

# CH540060GT

## Electrical Characteristics

| Material     | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 100 Oe | Coreloss (mW/cm <sup>2</sup> , max) @ 50kHz, 500G |
|--------------|------------------------|----------------------------------|----------------------|---|
| High Flux GT | 60                     | 102                              | 77.4                 | 42.2  |

OD : 540



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging        |
|------------|-------|----------|--------|--------|--------|-------|------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                  |
| OD         | (Max) | 54.00    | 2.126  | 54.90  | 2.161  | Black | Box Qty = 77 pcs |
| ID         | (min) | 29.00    | 1.142  | 28.10  | 1.106  |       |                  |
| HT         | (max) | 14.40    | 0.567  | 15.30  | 0.602  |       |                  |

## Physical Characteristics

| Cross Section (A)     | Path Length ( $l$ ) | Window Area (Wa)     | Volume (V)             | Breakdown Voltage (Vac) |
|-----------------------|---------------------|----------------------|------------------------|-------------------------|
| 1.710 cm <sup>2</sup> | 12.63 cm            | 6.20 cm <sup>2</sup> | 21.597 cm <sup>3</sup> | 1,000                   |
| 0.265 in <sup>2</sup> | 4.97 in             | 1,223,604 cmil       | 1.3179 in <sup>3</sup> |                         |

## Winding Information

|  |       |       |
|--|-------|-------|
| 0% Winding length/turn (cm)                        |       |       |
| 5.740  |       |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |       |       |
| 114.18   |       |       |
| 40% Wound Di.(mm)                                  |       |       |
| OD   | ID    | HT    |
| 61.81  | 18.39 | 23.61 |

## Typical DC Bias Performance

