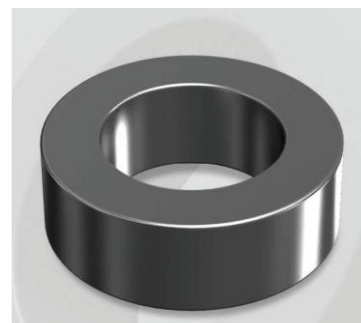


## FM610060G

### Electrical Characteristics

| Material | Permeability<br>( $\mu$ ) | AL $\pm$ 8%<br>(nH/N <sup>2</sup> ) | DCB (% min)<br>@ 100 Oe | Coreloss (mW/cm <sup>3</sup> , max)<br>@50kHz, 300G |
|----------|---------------------------|-------------------------------------|-------------------------|-----------------------------------------------------|
| FluxMax  | 60                        | 192                                 | 72.80                   | 35                                                  |

OD : 610G



### Core Dimensions

| Dimensions |       | Uncoated<br>(Before) |        | Coated<br>(After) |        | Color | Packaging          |
|------------|-------|----------------------|--------|-------------------|--------|-------|--------------------|
|            |       | (mm)                 | (inch) | (mm)              | (inch) |       |                    |
| OD         | (Max) | 62.00                | 2.441  | 63.10             | 2.484  | Black | Box Qty<br>= 24pcs |
| ID         | (min) | 32.60                | 1.283  | 31.37             | 1.235  |       |                    |
| HT         | (max) | 25.00                | 0.984  | 26.27             | 1.034  |       |                    |

### Physical Characteristics

| Cross Section<br>(A)    | Path Length<br>( $\ell$ ) | Window Area<br>(Wa)  | Volume<br>(V)           | Breakdown Voltage<br>(Vac) |
|-------------------------|---------------------------|----------------------|-------------------------|----------------------------|
| 3.675 cm <sup>2</sup>   | 14.37 cm                  | 7.73 cm <sup>2</sup> | 52.8098 cm <sup>3</sup> | 1,000                      |
| 0.56963 in <sup>2</sup> | 5.657 in                  | 1,525,558 cmil       | 3.2225 in <sup>3</sup>  |                            |

### Winding Information

|                                                       |       |       |
|-------------------------------------------------------|-------|-------|
| 0% Winding length/turn<br>(cm)                        |       |       |
| 8.427                                                 |       |       |
| 40% winding factor<br>Surface Area (cm <sup>2</sup> ) |       |       |
| 173.99                                                |       |       |
| 40% Wound Di.(mm)                                     |       |       |
| OD                                                    | ID    | HT    |
| 70.78                                                 | 20.54 | 35.53 |

### Typical DC Bias Performance

