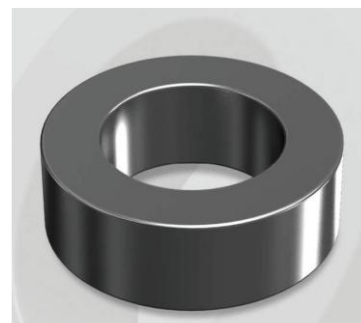


## FM234026G

### Electrical Characteristics

| Material | Permeability<br>( $\mu$ ) | AL $\pm$ 8%<br>(nH/N <sup>2</sup> ) | DCB (% min)<br>@ 200 Oe | Coreloss (mW/cm <sup>2</sup> , max)<br>@50kHz, 1000G |
|----------|---------------------------|-------------------------------------|-------------------------|------------------------------------------------------|
| FluxMax  | 26                        | 22                                  | 78.26                   | 480                                                  |

OD : 234G



### Core Dimensions

| Dimensions |       | Uncoated<br>(Before) |        | Coated<br>(After) |        | Color | Packaging           |
|------------|-------|----------------------|--------|-------------------|--------|-------|---------------------|
|            |       | (mm)                 | (inch) | (mm)              | (inch) |       |                     |
| OD         | (Max) | 23.57                | 0.928  | 24.30             | 0.957  | Black | Box Qty<br>= 750pcs |
| ID         | (min) | 14.40                | 0.567  | 13.77             | 0.542  |       |                     |
| HT         | (max) | 8.89                 | 0.350  | 9.70              | 0.382  |       |                     |

### Physical Characteristics

| Cross Section<br>(A)    | Path Length<br>( $\ell$ ) | Window Area<br>(Wa)  | Volume<br>(V)          | Breakdown Voltage<br>(Vac) |
|-------------------------|---------------------------|----------------------|------------------------|----------------------------|
| 0.388 cm <sup>2</sup>   | 5.88 cm                   | 1.49 cm <sup>2</sup> | 2.2814 cm <sup>3</sup> | 1,000                      |
| 0.06014 in <sup>2</sup> | 2.315 in                  | 294,060 cmil         | 0.1392 in <sup>3</sup> |                            |

### Winding Information

|                                                       |      |       |
|-------------------------------------------------------|------|-------|
| 0% Winding length/turn<br>(cm)                        |      |       |
| 2.993                                                 |      |       |
| 40% winding factor<br>Surface Area (cm <sup>2</sup> ) |      |       |
| 26.78                                                 |      |       |
| 40% Wound Di.(mm)                                     |      |       |
| OD                                                    | ID   | HT    |
| 27.76                                                 | 9.02 | 13.81 |

### Typical DC Bias Performance

