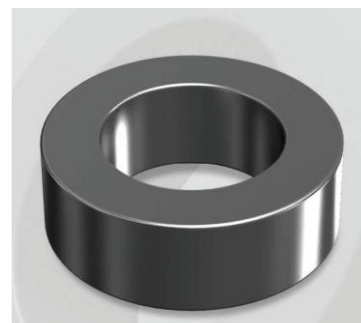


## FM166026G

### 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                        | 15                                  | 78.26                   | 480                                                  |

OD : 166G



### Core Dimensions

| Dimensions |       | Uncoated<br>(Before) |        | Coated<br>(After) |        | Color | Packaging             |
|------------|-------|----------------------|--------|-------------------|--------|-------|-----------------------|
|            |       | (mm)                 | (inch) | (mm)              | (inch) |       |                       |
| OD         | (Max) | 16.51                | 0.650  | 17.40             | 0.685  | Black | Box Qty<br>= 1,960pcs |
| ID         | (min) | 10.16                | 0.400  | 9.53              | 0.375  |       |                       |
| HT         | (max) | 6.35                 | 0.250  | 7.11              | 0.280  |       |                       |

### Physical Characteristics

| Cross Section<br>(A)    | Path Length<br>( $\ell$ ) | Window Area<br>(Wa)  | Volume<br>(V)          | Breakdown Voltage<br>(Vac) |
|-------------------------|---------------------------|----------------------|------------------------|----------------------------|
| 0.192 cm <sup>2</sup>   | 4.11 cm                   | 0.71 cm <sup>2</sup> | 0.7891 cm <sup>3</sup> | 1,000                      |
| 0.02976 in <sup>2</sup> | 1.618 in                  | 140,714 cmil         | 0.0482 in <sup>3</sup> |                            |

### Winding Information

|                                                       |      |      |
|-------------------------------------------------------|------|------|
| 0% Winding length/turn<br>(cm)                        |      |      |
| 2.209                                                 |      |      |
| 40% winding factor<br>Surface Area (cm <sup>2</sup> ) |      |      |
| 13.66                                                 |      |      |
| 40% Wound Di.(mm)                                     |      |      |
| OD                                                    | ID   | HT   |
| 19.77                                                 | 6.24 | 9.94 |

### Typical DC Bias Performance

