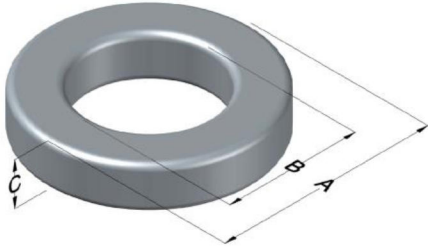




**0077381A7**

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| Kool M $\mu$<br>Permeability<br>( $\mu$ ) | A <sub>L</sub><br>(nH/T <sup>2</sup> ) | Core Marking  |                |                     | Coating<br>Color |
|---|--|---------------|----------------|---------------------|------------------|
|   |  | Lot<br>Number | Part<br>Number | Inductance<br>Grade |                  |
| 60  | 43 ± 8%                                | XXXXXX        | 77381A7        | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                                    |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 17.27    | 0.680 | 18.03         | 0.710 | max | Bulk Pack<br>4 bags/box<br>Box Qty= 2000 pcs |
| ID (B)     | 9.65     | 0.380 | 9.02          | 0.355 | min |  |
| HT (C)     | 6.35     | 0.250 | 7.11          | 0.280 | max |  |

| Electrical Characteristics                                 |                           |      | Physical Characteristics                                       |                               |   |   |                                       |   |               |
|--|---------------------------|------|--|-------------------------------|---|---|---------------------------------------|---|---------------|
| Watt Loss<br>@ 100 kHz, 100mT<br>max (mW/cm <sup>3</sup> ) | DC Bias<br>min (oersteds) |      | Voltage<br>Breakdown<br>wire to wire<br>min (V <sub>AC</sub> ) | Break<br>Strength<br>min (kg) | Window<br>Area<br>W <sub>A</sub> (mm <sup>2</sup> ) | Cross<br>Section<br>A <sub>e</sub> (mm <sup>2</sup> ) | Path<br>Length<br>L <sub>e</sub> (mm) | Volume<br>V <sub>e</sub> (mm <sup>3</sup> ) | Weight<br>(g) |
|  | 750                       | 80%  |  |                               |   |   |                                       |   |               |
|  | 39.0                      | 87.0 |  |                               |   |   |                                       |   |               |

| Winding Information     |      |                   |      |                                 | Temperature Rating |   |
|-------------------------|------|-------------------|------|---------------------------------|--------------------|---|
| Winding Length Per Turn |      |                   |      | Wound Coil Dimensions (mm)      |                    | Curie Temp: 500°C                         |
| Winding<br>Factor       | (mm) | Winding<br>Factor | (mm) | 40% Winding Factor              |                    | Coating Temp (Continuous up to):<br>200°C |
|                         |      |                   |      | OD                              | 19.6               | Notes:                                    |
|                         |      |                   |      | HT                              | 10.1               |   |
|                         |      |                   |      | Max OD                          | 24.9               |   |
|                         |      |                   |      | Max HT                          | 16.3               |   |
| 0%                      | 23.2 | 40%               | 28.0 | Surface Area (mm <sup>2</sup> ) |                    |   |
| 20%                     | 25.6 | 45%               | 28.6 | Unwound Core                    |                    |   |
| 25%                     | 26.2 | 50%               | 29.3 | 990                             |                    |   |
| 30%                     | 26.6 | 60%               | 30.8 | 40% Winding Factor              |                    |   |
| 35%                     | 27.4 | 70%               | 32.4 | 1,400                           |                    |   |

