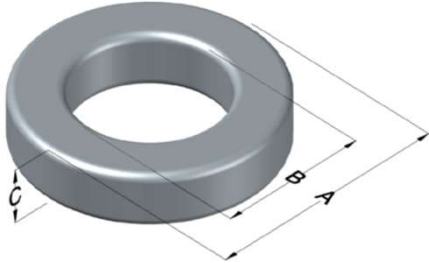




**0079552A7**

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| Kool M $\mu$ MAX<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 |                  |
| 90  | 91 $\pm$ 8%                            | XXXXXX        | 79552A7        | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                              |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 32.79    | 1.291 | 33.66         | 1.325 | max | Cardboard cut-outs<br>Box Qty= 250 pcs |
| ID (B)     | 20.09    | 0.791 | 19.46         | 0.766 | min |  |
| HT (C)     | 10.67    | 0.420 | 11.43         | 0.450 | max |  |

| Electrical Characteristics                                |                           |     | Physical Characteristics                                       |                               |   |   |                                       |   |               |
|---|---------------------------|-----|--|-------------------------------|---|---|---------------------------------------|---|---------------|
| Watt Loss<br>@ 100kHz, 100mT<br>max (mW/cm <sup>3</sup> ) | DC Bias min<br>(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 V <sub>e</sub><br>(mm <sup>3</sup> ) | Weight<br>(g) |
|   | 80%                       | 50% |  |                               |   |   |                                       |   |               |
| 750   | 25                        | 60  | 3000   | 79.0                          | 297   | 65.6  | 81.4                                  | 5,340                                       | 38.4          |

| 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              |                    | OD    | 37.7                                      |
|                         |      |                   |      | HT                              | 17.4               |       |   |
| 0%                      | 37.1 | 40%               | 47.1 | Completely Full Window          | Max OD             | 39.7  | Coating Temp (Continuous up to):<br>200°C |
| 20%                     | 42.1 | 45%               | 48.7 |                                 | Max HT             | 25.4  |   |
| 25%                     | 43.3 | 50%               | 50.0 | Surface Area (mm <sup>2</sup> ) |                    |       | Notes:                                    |
| 30%                     | 44.5 | 60%               | 53.2 | Unwound Core                    |                    | 3,100 |   |
| 35%                     | 46.0 | 70%               | 56.7 | 40% Winding Factor              |                    | 4,700 |   |

