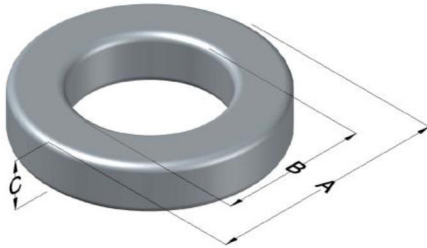




**0077585A7**

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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 |                  |
| 125                                       | 79 ± 8%                                | XXXXXX        | 77585A7        | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                              |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 34.29    | 1.350 | 35.18         | 1.385 | max | Cardboard cut-outs<br>Box Qty= 300 pcs |
| ID (B)     | 23.37    | 0.920 | 22.56         | 0.888 | min |  |
| HT (C)     | 8.89     | 0.350 | 9.78          | 0.385 | 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) |
|  | 80%                       | 50% |  |                               |   |   |                                       |   |               |
| 750  | 14                        | 35  | 3000   | 54                            | 399   | 46.4  | 89.5                                  | 4,150                                       | 25            |

| 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                              | 40.5               |   |
|                         |      |                   |      | HT                              | 16.8               | Notes:                                    |
|                         |      |                   |      | Max OD                          | 50.1               |   |
|                         |      |                   |      | Max HT                          | 29.0               |   |
| 0%                      | 32.2 | 40%               | 44.0 | Completely Full Window          |                    |   |
| 20%                     | 38.1 | 45%               | 45.6 | Surface Area (mm <sup>2</sup> ) |                    |   |
| 25%                     | 39.6 | 50%               | 47.3 |                                 |                    |   |
| 30%                     | 40.6 | 60%               | 50.8 | Unwound Core                    | 2,900              |   |
| 35%                     | 42.5 | 70%               | 54.9 | 40% Winding Factor              | 5,500              |   |

