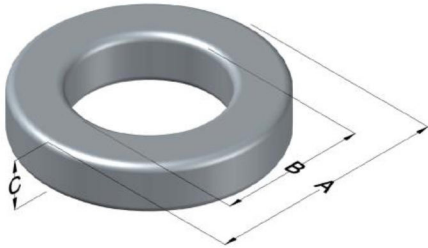




# C055585A2

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| MPP Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                            |                            | Lot Number   | Part Number | Inductance Grade |               |
| 125                        | 79 ± 8%                    | XXXXXX       | 55585A2     | X                | Gray          |

| 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 @ 100 kHz, 100mT max (mW/cm <sup>3</sup> ) | DC Bias min (oersteds) |           | Voltage Breakdown wire to wire min (V <sub>AC</sub> ) | Break Strength min (kg) | Window Area W <sub>A</sub> (mm <sup>2</sup> ) | Cross Section A <sub>e</sub> (mm <sup>2</sup> ) | Path Length L <sub>e</sub> (mm) | Volume V <sub>e</sub> (mm <sup>3</sup> ) | Weight (g) |
|  | 850                    | 80%<br>25 |   |                         |   |   |                                 |  |            |

| Winding Information     |      |                |      |                                 | Temperature Rating |   |
|-------------------------|------|----------------|------|---------------------------------|--------------------|---|
| Winding Length Per Turn |      |                |      | Wound Coil Dimensions (mm)      |                    | Curie Temp: 460 °C                      |
| Winding Factor          | (mm) | Winding Factor | (mm) | 40% Winding Factor              |                    | Coating Temp (Continuous up to): 200 °C |
|                         |      |                |      | OD                              | 40.5               | Notes:                                  |
|                         |      |                |      | HT                              | 16.8               |   |
|                         |      |                |      | Completely Full Window          |                    |   |
|                         |      |                |      | Max OD                          | 50.1               |   |
|                         |      |                |      | Max HT                          | 29.0               |   |
|                         |      |                |      | Surface Area (mm <sup>2</sup> ) |                    |   |
|                         |      |                |      | Unwound Core                    |                    | 2,900                                   |
|                         |      |                |      | 40% Winding Factor              |                    | 5,500                                   |

