



**0059548A2**

110 Delta Drive  
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| Edge Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|-----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                             |                            | Lot Number   | Part Number | Inductance Grade |               |
| 125                         | 127 ± 8%                   | XXXXXX       | 59548A2     | N/A              | Green         |

| 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 @ 100kHz, 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> ) | Est. Weight (g) |
|   | 80%                    | 50% |   |                         |   |   |                                 |  |                 |
| 700   | 55                     | 90  | 3000  | 79.0                    | 297   | 65.6  | 81.4                            | 5,340                                    | 44.3            |

| Winding Information                    |      |                |      |                                 | Temperature Rating |                   |
|--|------|----------------|------|---------------------------------|--------------------|-------------------|
| Winding Length Per Turn                |      |                |      | Wound Coil Dimensions (mm)      |                    | Curie Temp: 500°C |
| Winding Factor                         | (mm) | Winding Factor | (mm) | 40% Winding Factor              | OD                 | 37.7              |
|  |      |                |      |                                 | HT                 | 17.4              |
| 0%                                     | 37.1 | 40%            | 47.1 | Completely Full Window          | Max OD             | 39.7              |
| 20%                                    | 42.1 | 45%            | 48.7 |                                 | Max HT             | 25.4              |
| 25%                                    | 43.3 | 50%            | 50.0 | Surface Area (mm <sup>2</sup> ) |                    |                   |
| 30%                                    | 44.5 | 60%            | 53.2 | Unwound Core                    | 3,100              |                   |
| 35%                                    | 46.0 | 70%            | 56.7 | 40% Winding Factor              | 4,700              |                   |
| Coating Temp (Continuous up to): 200°C |      |                |      |                                 |                    |                   |
| Notes:                                 |      |                |      |                                 |                    |                   |

