



**0059602A2**

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 |               |
| 19                          | 39 ± 8%                    | XXXXXX       | 59602A2     | N/A              | Green         |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                             |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                       |
| OD (A)     | 59.60    | 2.346 | 60.60         | 2.385 | max | Cardboard cut-outs<br>Box Qty= 63 pcs |
| ID (B)     | 34.00    | 1.338 | 33.00         | 1.299 | min |                                       |
| HT (C)     | 19.50    | 0.767 | 20.50         | 0.807 | 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% |   |                         |   |   |                                 |  |                 |
| 900   | 310                    | 500 | 3000  | 154                     | 855   | 237   | 143                             | 33,900                                   | 180             |

| 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                 | 67.4              |
|  |      |                |      |                                 | HT                 | 30.7              |
| 0%                                     | 68.6 | 40%            | 85.5 | Completely Full Window          | Max OD             | 70.8              |
|  |      |                |      |                                 | Max HT             | 44.3              |
| 20%                                    | 77.3 | 45%            | 88.2 | Surface Area (mm <sup>2</sup> ) |                    | Notes:            |
| 25%                                    | 79.2 | 50%            | 90.5 |                                 |                    |                   |
| 30%                                    | 81.2 | 60%            | 95.8 | Unwound Core                    | 10,000             |                   |
| 35%                                    | 83.6 | 70%            | 102  | 40% Winding Factor              | 15,000             |                   |
| Coating Temp (Continuous up to): 200°C |      |                |      |                                 |                    |                   |

