



**0055458A2**

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| MPP Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                            |                            | Lot Number   | Part Number | Inductance Grade |               |
| 200                        | 359 $\pm$ 8%               | XXXXXX       | 55458A2     | N/A              | Grey          |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                              |
|------------|----------|-------|---------------|-------|-----|----------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                        |
| OD (A)     | 42.90    | 1.689 | 43.84         | 1.726 | max | Cardboard cut-outs<br>Box Qty= 120 pcs |
| ID (B)     | 24.21    | 0.953 | 23.39         | 0.921 | min |                                        |
| HT (C)     | 16.26    | 0.640 | 17.27         | 0.680 | 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) |
|                                                      | 80%                    | 60% |                                                       |                         |                                               |                                                 |                                 |                                          |            |
| 1050                                                 | 15                     | 28  | 3000                                                  | 98.8                    | 430                                           | 147.5                                           | 102                             | 15100                                    | 122        |

| 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              | OD                 | 47.6              |
|                         |      |                |      |                                 | HT                 | 24.6              |
| 0%                      | 55.0 | 40%            | 67.1 | Completely Full Window          | Max OD             | 59.4              |
|                         |      |                |      |                                 | Max HT             | 36.7              |
| 20%                     | 61.1 | 45%            | 68.9 | Surface Area (mm <sup>2</sup> ) |                    | Notes:            |
| 25%                     | 62.5 | 50%            | 70.8 | Unwound Core                    |                    |                   |
| 30%                     | 63.8 | 60%            | 74.2 | 40% Winding Factor              |                    |                   |
| 35%                     | 65.6 | 70%            | 78.5 |                                 |                    |                   |

