



C055350A2

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| MPP Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 125 | 105 \pm 8% | XXXXXX | 55350A2 | X | Gray |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 23.57 | 0.928 | 24.33 | 0.958 | max | Bulk Pack 4 bags/box Box Qty= 720 pcs |
| ID (B) | 14.40 | 0.567 | 13.77 | 0.542 | min | |
| HT (C) | 8.89 | 0.350 | 9.65 | 0.380 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|------------------------|------|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 100mT max (mW/cm ³) | DC Bias min (oersteds) | | Voltage Breakdown wire to wire min (V _{AC}) | Break Strength min (kg) | Window Area W _A (mm ²) | Cross Section A _e (mm ²) | Path Length L _e (mm) | Volume V _e (mm ³) | Weight (g) |
| | 850 | 80% | | | | | | | |
| | 25.0 | 48.5 | | | | | | | |

| 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 | 26.7 | Notes: |
| | | | | HT | 14.2 | |
| | | | | Max OD | 33.5 | |
| | | | | Max HT | 21.4 | |
| 0% | 29.8 | 40% | 36.9 | Surface Area (mm ²) | | |
| 20% | 33.4 | 45% | 38.0 | Unwound Core | | |
| 25% | 34.2 | 50% | 38.9 | 40% Winding Factor | | |
| 30% | 35.0 | 60% | 41.1 | 1,800 | | |
| 35% | 36.1 | 70% | 43.6 | 2,700 | | |

Typical DC Bias Performance

