



0055531A2

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| MPP Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|-------------------------------|---------------|----------------|---------------------|------------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 147 | 255 ± 8% | XXXXXX | 55531A2 | N/A | Grey |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 54.00 | 2.125 | 54.90 | 2.161 | max | Cardboard cut-outs Box Qty= 90 pcs |
| ID (B) | 29.00 | 1.141 | 28.10 | 1.106 | min | |
| HT (C) | 14.40 | 0.567 | 15.30 | 0.602 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|---|---------------------------|-----|--|-------------------------------|---|---|---------------------------------------|---|-----------------------|
| Watt Loss @ 100kHz, 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) | Est. Weight (g) |
| | 80% | 50% | | | | | | | |
| 900 | 23 | 43 | 3000 | 113.0 | 620 | 174 | 126 | 22,000 | 183 |

| 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 | 60.9 | | |
| Completely Full Window | | | | HT | 24.3 | Notes: | |
| | | | | Max OD | 63.9 | | |
| 0% | 57.4 | 40% | 72.0 | Max HT | 36.3 | | |
| Surface Area (mm ²) | | | | | | | |
| 20% | 64.7 | 45% | 74.0 | Unwound Core | | | 7,500 |
| 25% | 66.5 | 50% | 76.1 | 40% Winding Factor | | | 11,000 |
| 30% | 67.9 | 60% | 80.5 | | | | |
| 35% | 70.2 | 70% | 85.5 | | | | |

