



C055929A2

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| MPP Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 147 | 185 \pm 8% | XXXXXX | 55929A2 | X | Gray |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 26.90 | 1.060 | 27.69 | 1.090 | max | Cardboard cut-outs Box Qty= 400 pcs |
| ID (B) | 14.7 | 0.580 | 14.1 | 0.555 | min | |
| HT (C) | 11.2 | 0.440 | 12.0 | 0.470 | 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) |
| | 80% | 50% | | | | | | | |
| 900 | 23.0 | 43.0 | 2000 | 77.0 | 156 | 65.4 | 63.5 | 4,150 | 37 |

| 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 | 30.0 | Notes: |
| | | | | HT | 16.5 | |
| | | | | Completely Full Window | | Max OD |
| 0% | 37.5 | 40% | 44.6 | Max HT | 24.0 | |
| 20% | 41.1 | 45% | 45.7 | Surface Area (mm ²) | | |
| 25% | 41.9 | 50% | 46.6 | Unwound Core | | 2,400 |
| 30% | 42.8 | 60% | 48.8 | 40% Winding Factor | | 3,500 |
| 35% | 43.8 | 70% | 51.3 | | | |

Typical DC Bias Performance

