



0078776A7

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| XFlux Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 40 | 135 \pm 8% | XXXXXX | 78776A7 | N/A | Brown |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 77.80 | 3.063 | 78.94 | 3.108 | max | Cardboard cut-outs Box Qty= 25 pcs |
| ID (B) | 39.34 | 1.549 | 38.33 | 1.509 | min | |
| HT (C) | 25.86 | 1.018 | 26.85 | 1.057 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 50kHz, 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% | | | | | | | |
| | 120 | 230 | 3000 | 141.0 | 1,150 | 492 | 177.2 | 87,100 | 623 |

| Winding Information | | | | | Temperature Rating | |
|--|------|----------------|------|---------------------------------|--------------------|-------------------|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 700°C |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | OD | 86.9 |
| | | | | | HT | 38.9 |
| 0% | 94.3 | 40% | 114 | Completely Full Window | Max OD | 86.9 |
| 20% | 104 | 45% | 117 | | Max HT | 54.9 |
| 25% | 107 | 50% | 119 | Surface Area (mm ²) | | |
| 30% | 109 | 60% | 125 | Unwound Core | | 17,000 |
| 35% | 112 | 70% | 132 | 40% Winding Factor | | 25,000 |
| Notes: | | | | | | |
| Coating Temp (Continuous up to): 200°C | | | | | | |

