



0078733A7

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| XFLUX Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 40 | 117 \pm 8% | XXXXXX | 78733A7 | N/A | Brown |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 50.55 | 1.990 | 51.31 | 2.020 | max | Cardboard cut-outs Box Qty= 70 pcs |
| ID (B) | 24.77 | 0.975 | 24.00 | 0.945 | min | |
| HT (C) | 20.83 | 0.820 | 21.59 | 0.850 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 50 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% | | | | | | | |
| 850 | 120 | 230 | 3000 | 95.0 | 452 | 262 | 113.5 | 29,700 | 200 |

| 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 | 55.0 | |
| | | | | | HT | 29.0 | |
| 0% | 70.7 | 40% | 82.8 | Completely Full Window | Max OD | 68.0 | |
| | | | | | Max HT | 41.0 | |
| 20% | 76.9 | 45% | 84.8 | Surface Area (mm ²) | | Notes: | |
| 25% | 78.3 | 50% | 86.6 | Unwound Core | | | |
| 30% | 79.7 | 60% | 90.1 | 40% Winding Factor | | | |
| 35% | 81.5 | 70% | 94.4 | | | | |
| | | | | | | Coating Temp (Continuous up to): 200°C | |

