



0078193A7

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| XFLUX Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 75 | 172 ± 8% | XXXXXX | 78193A7 | N/A | Brown |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 57.15 | 2.250 | 58.04 | 2.285 | max | Cardboard cut-outs Box Qty= 80 pcs |
| ID (B) | 26.39 | 1.039 | 25.58 | 1.007 | min | |
| HT (C) | 15.24 | 0.600 | 16.13 | 0.635 | 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% | | | | | | | |
| 700 | 63.0 | 120 | 3000 | 163.0 | 514 | 229 | 125 | 28,600 | 210 |

| 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 | | Coating Temp (Continuous up to): 200°C |
| | | | | OD | 62.0 | |
| | | | | HT | 24.0 | Notes: |
| | | | | Completely Full Window | | |
| | | | | Max OD | 75.7 | |
| 0% | 64.6 | 40% | 77.8 | Max HT | 34.0 | |
| 20% | 71.2 | 45% | 79.8 | Surface Area (mm ²) | | |
| 25% | 72.9 | 50% | 81.6 | Unwound Core | | |
| 30% | 74.1 | 60% | 85.6 | 40% Winding Factor | | |
| 35% | 76.3 | 70% | 90.1 | 8,500 | | |
| | | | | 12,000 | | |

