



0058600A2

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| High Flux Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 40 | 83 ± 8% | XXXXXX | 58600A2 | N/A | Khaki |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 59.60 | 2.346 | 60.60 | 2.385 | max | Cardboard cut-outs Box Qty= 63 pcs |
| ID (B) | 34.00 | 1.338 | 33.00 | 1.299 | min | |
| HT (C) | 19.50 | 0.767 | 20.50 | 0.807 | 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% | | | | | | | |
| 950 | 110 | 215 | 3000 | 154 | 855 | 237 | 143 | 33,900 | 260 |

| Winding Information | | | | | Temperature Rating | |
|--|------|----------------|------|---------------------------------|--------------------|-------------------|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 500°C |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | OD | 67.4 |
| | | | | | HT | 30.7 |
| 0% | 68.6 | 40% | 85.5 | Completely Full Window | Max OD | 70.8 |
| | | | | | Max HT | 44.3 |
| 20% | 77.3 | 45% | 88.2 | Surface Area (mm ²) | | Notes: |
| 25% | 79.2 | 50% | 90.5 | | | |
| 30% | 81.2 | 60% | 95.8 | Unwound Core | 10,000 | |
| 35% | 83.6 | 70% | 102 | 40% Winding Factor | 15,000 | |
| Coating Temp (Continuous up to): 200°C | | | | | | |

