



C058121A2

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| High Flux Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 60 | 35 ± 8% | XXXXXX | 58121A2 | X | Khaki |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 16.59 | 0.653 | 17.27 | 0.680 | max | Bulk Pack 4 bags/box Box Qty= 2000 pcs |
| ID (B) | 10.16 | 0.400 | 9.53 | 0.375 | min | |
| HT (C) | 6.35 | 0.250 | 7.11 | 0.280 | 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 | 90.0 | 170 | 1250 | 23.0 | 71.2 | 19.2 | 41.2 | 791 | 5.9220 |

| 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 | 18.8 | | | |
| | | | | | HT | 10.1 | | | |
| 0% | 22.0 | 40% | 26.8 | Completely Full Window | Max OD | 23.7 | | | |
| | | | | | Max HT | 15.2 | | | |
| 20% | 24.4 | 45% | 27.6 | Surface Area (mm ²) | | | | | |
| 25% | 25.0 | 50% | 28.3 | | | | | | |
| 30% | 25.6 | 60% | 29.7 | | | | | | |
| 35% | 26.2 | 70% | 31.4 | Unwound Core | 920 | | | | |
| | | | | 40% Winding Factor | 1,300 | | | | |
| | | | | | | | | Coating Temp (Continuous up to): 200°C | |
| | | | | | | | | Notes: | |

Typical DC Bias Performance

