



0058313A2

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| High Flux Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 14 | 9.9 ± 8% | XXXXXX | 58313A2 | N/A | Khaki |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 22.86 | 0.900 | 23.62 | 0.930 | max | Bulk Pack 4 bags/box Box Qty= 1000 pcs |
| ID (B) | 13.97 | 0.550 | 13.34 | 0.525 | min | |
| HT (C) | 7.62 | 0.300 | 8.38 | 0.330 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|----------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 100mT max (mW/cm ³) | DC Bias typical (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) |
| | 2600 | 80% | | | | | | | |
| | 280 | 385 | | | | | | | |

| 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 | | Coating Temp (Continuous up to): 200°C |
| | | | | OD | 25.7 | Notes: |
| | | | | HT | 12.4 | |
| | | | | Completely Full Window | | |
| | | | | Max OD | 32.6 | |
| | | | | Max HT | 19.8 | |
| | | | | Surface Area (mm ²) | | |
| | | | | Unwound Core | 1,600 | |
| | | | | 40% Winding Factor | 2,400 | |

Typical DC Bias Performance

