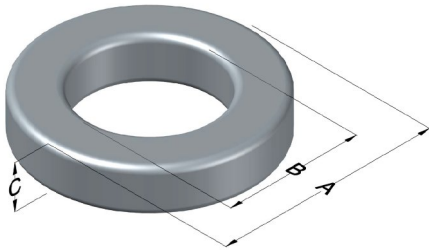




C058715A2

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| High Flux Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 125 | 152 ± 8% | XXXXXX | 58715A2 | X | Khaki |

| Dimensions | Uncoated | | Coated Limits | | Packaging |
|------------|----------|-------|---------------|-------|---------------------------------------|
| | (mm) | (in) | (mm) | (in) | |
| OD (A) | 50.80 | 2.000 | 51.69 | 2.035 | Cardboard cut-outs Box Qty= 90 pcs |
| ID (B) | 31.80 | 1.250 | 30.93 | 1.218 | |
| HT (C) | 13.5 | 0.530 | 14.4 | 0.565 | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|--|--------------------------|------|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 100mT typical (mW/cm ³) | DC Bias typical (A·T/cm) | | 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% | | | | | | | |
| 1275 | 34.2 | 66.0 | 1000 | 93 | 751 | 125 | 127 | 15,900 | 130 |

| Winding Information | | | | | Temperature Rating | |
|-------------------------|------|----------------|------|---------------------------------|--------------------|--|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 500°C |
| Winding Factor | (mm) | Winding Factor | (mm) | Maximum OD (70%) | 72.4 | Coating Temp (Continuous up to): 200°C |
| | | | | Maximum HT (70%) | 40.6 | |
| 0% | 49.5 | 40% | 65.5 | Surface Area (mm ²) | | Notes: |
| 20% | 57.4 | 45% | 67.7 | Unwound Core | | |
| 25% | 59.6 | 50% | 70.1 | 40% Winding Factor | | |
| 30% | 61.0 | 60% | 74.9 | | | |
| 35% | 63.5 | 70% | 80.3 | | | |

Typical DC Bias Performance

