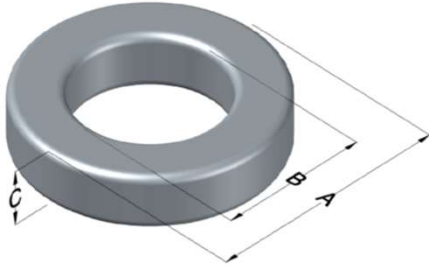




0055170A2

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| MPP Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|----------------------------------|-------------------------------|---------------|----------------|---------------------|------------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 19 | 58 ± 8% | XXXXXX | 55170A2 | N/A | Grey |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|--------------------------------------|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 165.10 | 6.500 | 167.21 | 6.583 | max | Cardboard cut-outs Box Qty= 8 pcs |
| ID (B) | 88.90 | 3.500 | 86.89 | 3.421 | min | |
| HT (C) | 25.40 | 1.000 | 27.31 | 1.075 | 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) | Weight (g) |
| | 80% | 50% | | | | | | | |
| 1600 | 190 | 320 | 3000 | TBD | 5,930 | 946 | 386.7 | 366,000 | 2,370 |

| Winding Information | | | | | Temperature Rating | |
|--|------|-------------------|------|---------------------------------|--------------------|-------------------|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 460°C |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | OD | 185 |
| | | | | | HT | 53.7 |
| 0% | 135 | 40% | 179 | Completely Full Window | Max OD | 194 |
| 20% | 158 | 45% | 187 | | Max HT | 88.9 |
| 25% | 163 | 50% | 192 | Surface Area (mm ²) | | |
| 30% | 168 | 60% | 206 | Unwound Core | 54,000 | |
| 35% | 175 | 70% | 222 | 40% Winding Factor | 89,000 | |
| Notes: | | | | | | |
| Coating Temp (Continuous up to): 200°C | | | | | | |

