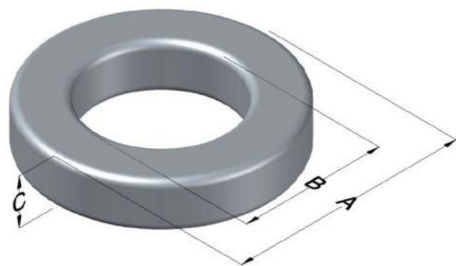




0076847A7

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| Kool M μ Hf Permeability (μ) | A_L (nH/T ²) | Core Marking | | | Coating Color |
|--|----------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 40 | 21 \pm 8% | XXXXXX | 76847A7 | N/A | Black |

| Dimensions | | | | | Packaging | |
|------------|-------|-------|---------------|-------|-----------|--|
| Uncoated | | | Coated Limits | | | |
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 20.32 | 0.800 | 21.08 | 0.830 | max | Cardboard cut-outs Box Qty = 1600 Pcs |
| ID (B) | 12.70 | 0.500 | 12.07 | 0.475 | min | |
| HT (C) | 6.35 | 0.250 | 7.11 | 0.280 | 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% | | | | | | | |
| 500 | 75.0 | 145 | 2000 | 28.5 | 114 | 22.1 | 50.9 | 1120 | 9.84 |

| Winding Information | | | | | Temperature Rating | |
|-------------------------|------|----------------|------|---------------------------------|--------------------|------|
| Winding Length per Turn | | | | Wound Coil Dimensions (mm) | | |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | OD | 22.9 |
| | | | | | 0% | 23.2 |
| 20% | 26.3 | 45% | 30.3 | Completely Full Window | Max OD | 29.2 |
| 25% | 27.0 | 50% | 31.2 | | Max HT | 17.4 |
| 30% | 27.8 | 60% | 32.9 | Surface Area (mm ²) | | |
| 35% | 28.6 | 70% | 35.1 | Unwound Core: | 1200 | |
| | | | | 40% Wound: | 1900 | |

| | |
|---------------------------------------|--------|
| Curie Temp (°C): | 500 °C |
| Coating Temp: (Continuous, up to; °C) | 200 °C |

Notes:

