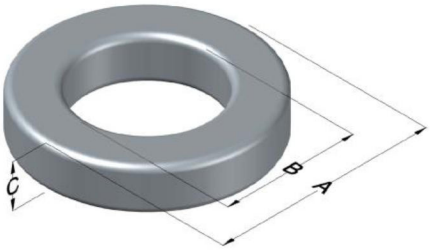
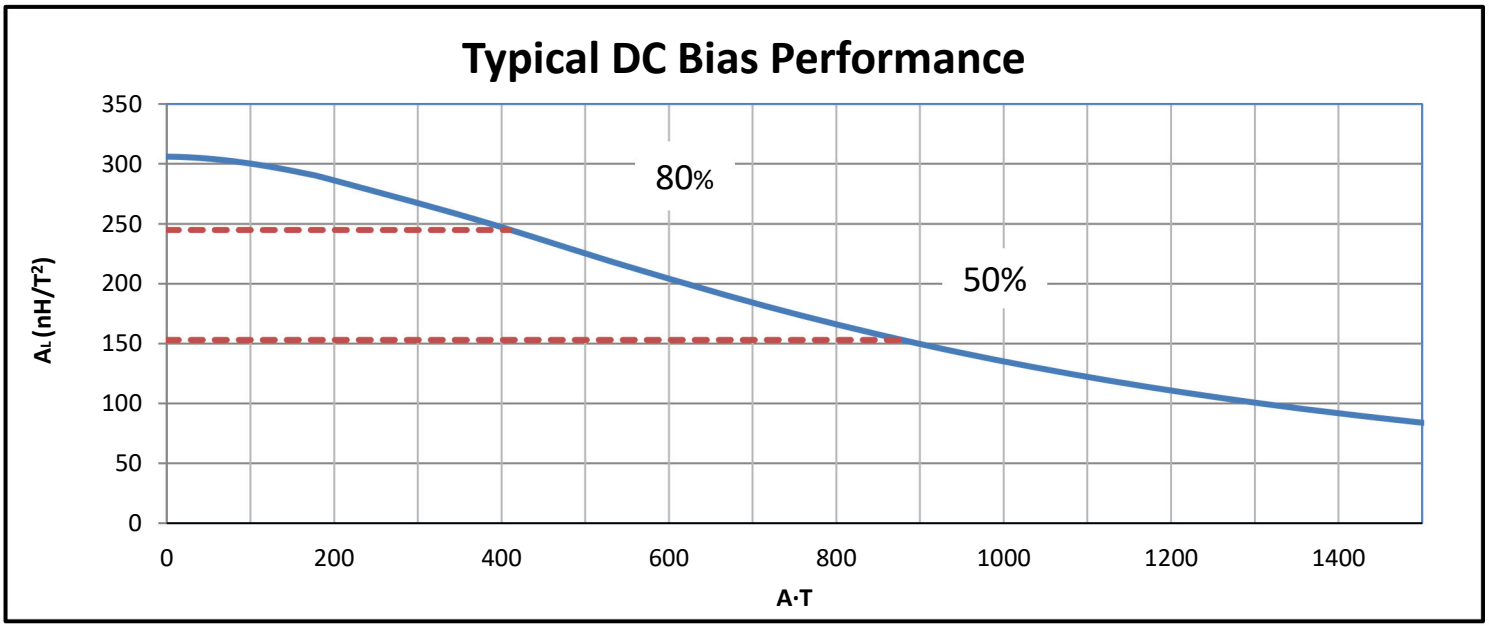
# 0077739A7

110 Delta Drive
Pittsburgh, PA 15238
NAFTA Sales: (1)800-245-3984
HK Sales : (852)3102-9337
magnetics@spang.com
www.mag-inc.com




| Kool Mμ Permeability (μ) | $A_L$ (nH/T²) | Core Marking | | | Coating Color |
|---|---|---|---|---|---|
| | | Lot Number | Part Number | Inductance Grade | |
| 90 | 306 ± 8% | XXXXXX | 77739A7 | N/A | Black |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|---|---|---|---|---|---|---|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 74.09 | 2.917 | 75.21 | 2.961 | max | Cardboard cut-outs Box Qty= 24 pcs |
| ID (B) | 45.29 | 1.783 | 44.40 | 1.748 | min | |
| HT (C) | 35.00 | 1.378 | 35.92 | 1.414 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Watt Loss @ 100 kHz, 100mT max (mW/cm³) | DC Bias min (oersteds) | | Voltage Breakdown wire to wire min ($V_{AC}$) | Break Strength min (kg) | Window Area $W_A$(mm²) | Cross Section $A_e$ (mm²) | Path Length $L_e$ (mm) | Volume $V_e$ (mm³) | Weight (g) |
| | 80% | 50% | | | | | | | |
| 900 | 21 | 52 | 3000 | 227.0 | 1,550 | 497 | 184 | 91,400 | 550 |

| 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 | 91.0 | Coating Temp (Continuous up to): 200˚C |
| | | | | | HT | 55.2 | |
| | | | | Completely Full Window | Max OD | 102 | Notes: |
| 0% | 102 | 40% | 125 | | Max HT | 65.7 | |
| 20% | 114 | 45% | 129 | Surface Area (mm²) | | | |
| 25% | 117 | 50% | 132 | | | | |
| 30% | 119 | 60% | 139 | Unwound Core | 19,000 | | |
| 35% | 122 | 70% | 147 | 40% Winding Factor | 33,000 | | |