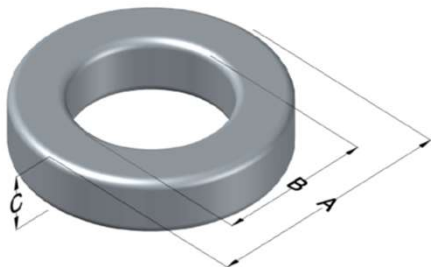




**0058517A2**

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



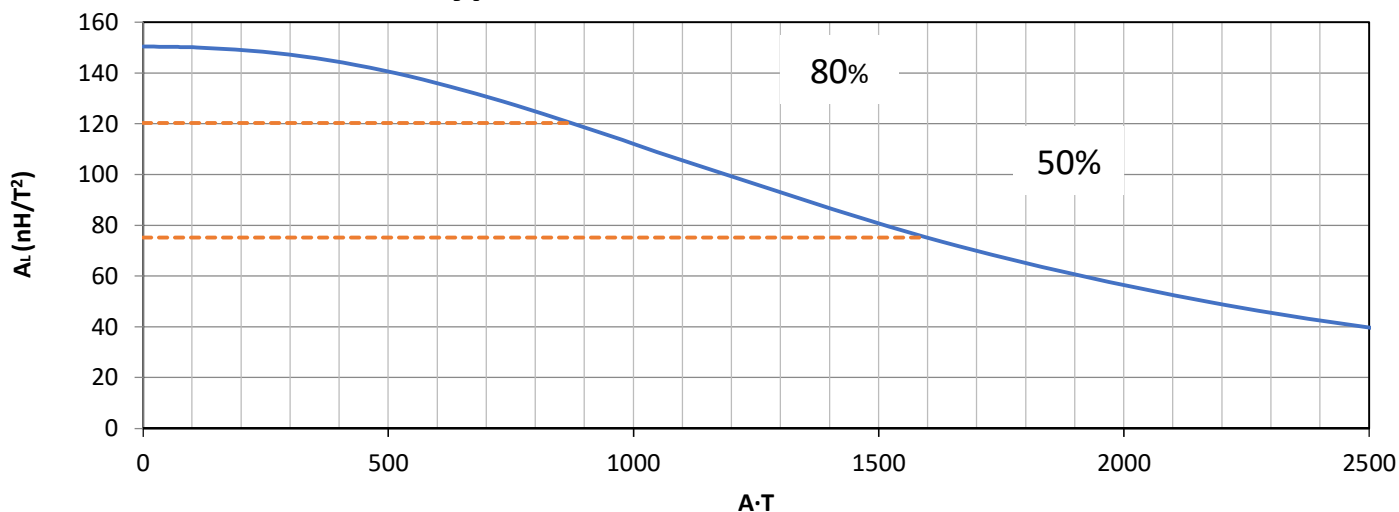
| High Flux Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                                  |                            | Lot Number   | Part Number | Inductance Grade |               |
| 60                               | 150 $\pm$ 8%               | XXXXXX       | 58517A2     | N/A              | Khaki         |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                             |
|------------|----------|-------|---------------|-------|-----|---------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                       |
| OD (A)     | 52.10    | 2.051 | 53.00         | 2.087 | max | Cardboard cut-outs<br>Box Qty= 80 pcs |
| ID (B)     | 21.50    | 0.846 | 20.60         | 0.811 | min |                                       |
| HT (C)     | 15.20    | 0.598 | 16.10         | 0.634 | max |                                       |

| Electrical Characteristics                          |                        |     | Physical Characteristics                              |                         |                                               |                                                 |                                 |                                          |                 |
|-----------------------------------------------------|------------------------|-----|-------------------------------------------------------|-------------------------|-----------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------|-----------------|
| Watt Loss @ 100kHz, 100mT max (mW/cm <sup>3</sup> ) | DC Bias min (oersteds) |     | Voltage Breakdown wire to wire min (V <sub>AC</sub> ) | Break Strength min (kg) | Window Area W <sub>a</sub> (mm <sup>2</sup> ) | Cross Section A <sub>e</sub> (mm <sup>2</sup> ) | Path Length L <sub>e</sub> (mm) | Volume V <sub>e</sub> (mm <sup>3</sup> ) | Est. Weight (g) |
| 900                                                 | 80%                    | 50% | 3000                                                  | 136.0                   | 333                                           | 217                                             | 109                             | 23,500                                   | 182             |
|                                                     | 90                     | 170 |                                                       |                         |                                               |                                                 |                                 |                                          |                 |

| 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     | 55.2               | Coating Temp (Continuous up to): 200°C |  |
|                         |      |                |      |                                 | HT     | 22.7               |                                        |  |
|                         |      |                |      | Completely Full Window          | Max OD | 57.4               | Notes:                                 |  |
|                         |      |                |      |                                 | Max HT | 31.5               |                                        |  |
| 0%                      | 64.6 | 40%            | 75.3 | Surface Area (mm <sup>2</sup> ) |        |                    |                                        |  |
| 20%                     | 70.0 | 45%            | 76.8 |                                 |        |                    |                                        |  |
| 25%                     | 71.3 | 50%            | 78.3 |                                 |        |                    |                                        |  |
| 30%                     | 72.3 | 60%            | 81.5 | Unwound Core                    |        | 7,500              |                                        |  |
| 35%                     | 74.0 | 70%            | 85.2 | 40% Winding Factor              |        | 9,400              |                                        |  |

### Typical DC Bias Performance



Revision 5/20/2022