



**0079387A7**

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 M $\mu$ MAX Permeability ( $\mu$ ) | A <sub>L</sub> (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|---|-------------------------------------|--------------|-------------|------------------|---------------|
|   |                                     | Lot Number   | Part Number | Inductance Grade |               |
| 19                                      | 14 $\pm$ 8%                         | XXXXXX       | 79387A7     | N/A              | Black         |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                                    |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 17.3     | 0.680 | 18.1          | 0.710 | max | Bulk Pack<br>4 bags/box<br>Box Qty= 2000 pcs |
| ID (B)     | 9.65     | 0.380 | 9.01          | 0.355 | min |  |
| HT (C)     | 6.35     | 0.250 | 7.12          | 0.280 | max |  |

| Electrical Characteristics                          |                        |     | Physical Characteristics                              |                         |   |   |                                 |  |            |
|---|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 50 kHz, 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> ) | Weight (g) |
|   | 80%                    | 50% |   |                         |   |   |                                 |  |            |
| 325   | 185                    | 375 | 1000  | 28.0                    | 63.8  | 23.2  | 41.4                            | 960                                      | 5.7        |

| 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              |                    | Coating Temp (Continuous up to): 200°C |
|                         |      |                |      | OD                              | 19.6               |  |
|                         |      |                |      | HT                              | 10.1               | Notes:                                 |
|                         |      |                |      | Max OD                          | 24.9               |  |
|                         |      |                |      | Max HT                          | 16.3               |  |
| 0%                      | 23.2 | 40%            | 28.0 | Completely Full Window          |                    |  |
| 20%                     | 25.6 | 45%            | 28.6 | Surface Area (mm <sup>2</sup> ) |                    |  |
| 25%                     | 26.2 | 50%            | 29.3 |                                 |                    |  |
| 30%                     | 26.6 | 60%            | 30.8 | Unwound Core                    | 990                |  |
| 35%                     | 27.4 | 70%            | 32.4 | 40% Winding Factor              | 1,400              |  |

