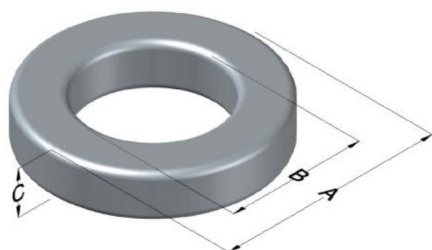




**0077548A7HT19**

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<br>Permeability<br>(μ) | A <sub>L</sub><br>(nH/T <sup>2</sup> ) | Core Marking  |                |                     | Coating<br>Color |
|--------------------------------|----------------------------------------|---------------|----------------|---------------------|------------------|
|                                |                                        | Lot<br>Number | Part<br>Number | Inductance<br>Grade |                  |
| 125                            | 214 ± 8%                               | XXXXXX        | 77548A7HT19    | N/A                 | Black            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging<br><br>Cardboard cut-outs<br>Box Qty= 175 pcs |
|------------|----------|-------|---------------|-------|-----|---------------------------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                                         |
| OD (A)     | 32.79    | 1.291 | 33.66         | 1.325 | max |                                                         |
| ID (B)     | 20.09    | 0.791 | 19.46         | 0.766 | min |                                                         |
| HT (C)     | 18       | 0.708 | 19            | 0.748 | max |                                                         |

| Electrical Characteristics                    |                           |     | Physical Characteristics                                       |                               |                                        |                                          |                                       |                                |               |
|-----------------------------------------------|---------------------------|-----|----------------------------------------------------------------|-------------------------------|----------------------------------------|------------------------------------------|---------------------------------------|--------------------------------|---------------|
| Watt Loss<br>@ 100 kHz, 100mT<br>max (mW/cm³) | DC Bias<br>min (oersteds) |     | Voltage<br>Breakdown<br>wire to wire<br>min (V <sub>AC</sub> ) | Break<br>Strength<br>min (kg) | Window<br>Area<br>W <sub>A</sub> (mm²) | Cross<br>Section<br>A <sub>e</sub> (mm²) | Path<br>Length<br>L <sub>e</sub> (mm) | Volume<br>V <sub>e</sub> (mm³) | Weight<br>(g) |
| 750                                           | 80%                       | 50% | 3000                                                           | 79.0                          | 297                                    | 110.5                                    | 81.4                                  | 9000                           | 57            |
|                                               | 14                        | 35  |                                                                |                               |                                        |                                          |                                       |                                |               |

| Winding Information     |      |                   |      |                                 |        | Temperature Rating                        |  |
|-------------------------|------|-------------------|------|---------------------------------|--------|-------------------------------------------|--|
| Winding Length Per Turn |      |                   |      | Wound Coil Dimensions (mm)      |        | Curie Temp: 500°C                         |  |
| Winding<br>Factor       | (mm) | Winding<br>Factor | (mm) | 40% Winding Factor              | OD     | Coating Temp (Continuous up to):<br>200°C |  |
|                         |      |                   |      |                                 | HT     | Notes:                                    |  |
| 0%                      | 52.3 | 40%               | 62.2 | Completely Full Window          | Max OD |                                           |  |
| 20%                     | 57.2 | 45%               | 63.5 |                                 | Max HT |                                           |  |
| 25%                     | 58.3 | 50%               | 64.9 | Surface Area (mm <sup>2</sup> ) |        |                                           |  |
| 30%                     | 59.6 | 60%               | 68.0 |                                 |        |                                           |  |
| 35%                     | 60.8 | 70%               | 71.4 | Unwound Core                    | 4,400  |                                           |  |
|                         |      |                   |      | 40% Winding Factor              | 6,500  |                                           |  |

## Typical DC Bias Performance

