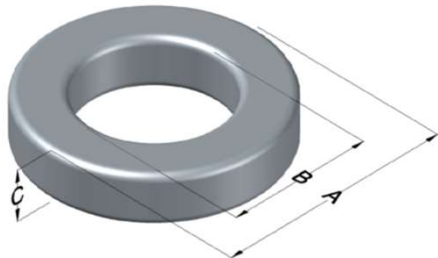




**0059451A2S01**

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



| High Bias Edge<br>Permeability<br>( $\mu$ ) | $A_L$<br>(nH/T <sup>2</sup> ) | Core Marking  |                |                     | Coating<br>Color |
|---------------------------------------------|-------------------------------|---------------|----------------|---------------------|------------------|
|                                             |                               | Lot<br>Number | Part<br>Number | Inductance<br>Grade |                  |
| 60                                          | 108 $\pm$ 8%                  | XXXXXX        | 59451A2S01     | N/A                 | Green            |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging<br><br>Cardboard cut-outs<br>Box Qty = 120 Pcs |
|------------|----------|-------|---------------|-------|-----|----------------------------------------------------------|
|            | (mm)     | (in)  | (mm)          | (in)  |     |                                                          |
| OD (A)     | 42.90    | 1.689 | 43.84         | 1.726 | max |                                                          |
| ID (B)     | 24.21    | 0.953 | 23.39         | 0.921 | min |                                                          |
| HT (C)     | 16.26    | 0.640 | 17.27         | 0.680 | max |                                                          |

| Electrical Characteristics                                |                           |     | Physical Characteristics                                       |                               |                                                     |                                                       |                                       |                                             |               |
|-----------------------------------------------------------|---------------------------|-----|----------------------------------------------------------------|-------------------------------|-----------------------------------------------------|-------------------------------------------------------|---------------------------------------|---------------------------------------------|---------------|
| Watt Loss<br>@ 100kHz, 100mT<br>max (mW/cm <sup>3</sup> ) | DC Bias min<br>(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> (mm <sup>2</sup> ) | Cross<br>Section<br>A <sub>e</sub> (mm <sup>2</sup> ) | Path<br>Length<br>L <sub>e</sub> (mm) | Volume V <sub>e</sub><br>(mm <sup>3</sup> ) | Weight<br>(g) |
| 700                                                       | 80%                       | 50% | 3000                                                           | 98.8                          | 430                                                 | 146                                                   | 102.6                                 | 15,000                                      | 127           |
|                                                           | 130                       | 200 |                                                                |                               |                                                     |                                                       |                                       |                                             |               |

| 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     | 48.6               | Coating Temp (Continuous up to): 200°C |
|                         |      |                |      |                            | HT     | 24.5               |                                        |
|                         |      |                |      | Completely Full Window     | Max OD | 51.0               | Notes:                                 |
|                         |      |                |      |                            | Max HT | 34.1               |                                        |
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**Typical DC Bias Performance**

