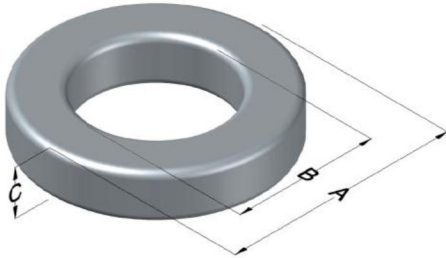




**0058847A2**

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| High Flux Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                                  |                            | Lot Number   | Part Number | Inductance Grade |               |
| 40                               | 21 ± 8%                    | XXXXXX       | 58847A2     | N/A              | Khaki         |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                                    |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 20.32    | 0.800 | 21.08         | 0.830 | max | Bulk Pack<br>4 bags/box<br>Box Qty= 1600 pcs |
| ID (B)     | 12.70    | 0.500 | 12.07         | 0.475 | min |  |
| HT (C)     | 6.35     | 0.250 | 7.11          | 0.280 | max |  |

| Electrical Characteristics                          |                        |     | Physical Characteristics                              |                         |   |   |                                 |  |            |
|---|------------------------|-----|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 kHz, 50mT 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% |   |                         |   |   |                                 |  |            |
| 510   | 110                    | 215 | 2000  | 28                      | 114   | 22.1  | 50.9                            | 1,120                                    | 12.51      |

| 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                              | 22.9               | Notes:                                 |
|                         |      |                |      | HT                              | 10.7               |  |
|                         |      |                |      | Completely Full Window          |                    |  |
|                         |      |                |      | Max OD                          | 29.2               |  |
|                         |      |                |      | Max HT                          | 17.4               |  |
|                         |      |                |      | Surface Area (mm <sup>2</sup> ) |                    |  |
|                         |      |                |      | Unwound Core                    | 1,200              |  |
|                         |      |                |      | 40% Winding Factor              | 1,900              |  |

