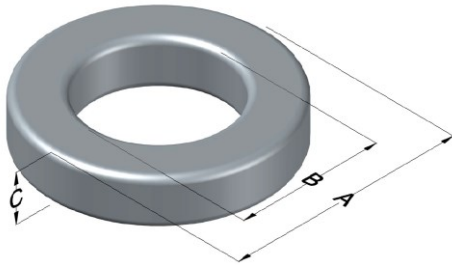




**0059586A2**

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 HK Sales : (852)3102-9337  
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| Edge Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|-----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                             |                            | Lot Number   | Part Number | Inductance Grade |               |
| 60                          | 38 ± 8%                    | XXXXXX       | 59586A2     | N/A              | Green         |

| Dimensions |       |       |               |       | Packaging |  |
|------------|-------|-------|---------------|-------|-----------|--|
| Uncoated   |       |       | Coated Limits |       |           |  |
|            | (mm)  | (in)  | (mm)          | (in)  |           |  |
| OD (A)     | 34.29 | 1.350 | 35.18         | 1.385 | max       |  |
| ID (B)     | 23.37 | 0.920 | 22.56         | 0.888 | min       |  |
| HT (C)     | 8.89  | 0.350 | 9.78          | 0.385 | max       |  |

Cardboard cut-outs  
Box Qty = 300 Pcs

| Electrical Characteristics                                 |                           |     | Physical Characteristics                                    |                                |  |  |  |   |            |
|--|---------------------------|-----|---|--------------------------------|--|--|--|---|------------|
| Watt Loss @<br>100kHz, 100mT<br>(max, mW/cm <sup>3</sup> ) | DC Bias<br>min (Oersteds) |     | Voltage Breakdown<br>wire-to-wire min<br>(V <sub>AC</sub> ) | Break<br>Strength<br>(min, kg) | Window<br>Area, W <sub>A</sub><br>(mm <sup>2</sup> ) | Cross<br>Section, A <sub>e</sub><br>(mm <sup>2</sup> ) | Path<br>Length, L <sub>e</sub><br>(mm) | Volume V <sub>e</sub><br>(mm <sup>3</sup> ) | Weight (g) |
|  | 80%                       | 50% |   |                                |  |  |  |   |            |
| 525  | 100                       | 180 | 2000  | 53.5                           | 398  | 46.4   | 89.5                                   | 4150  | 33.4       |

| Winding Information     |      |                |                            |                                 | Temperature Rating |                  |        |
|-------------------------|------|----------------|----------------------------|---------------------------------|--------------------|------------------|--------|
| Winding Length per Turn |      |                | Wound Coil Dimensions (mm) |                                 |                    | Curie Temp (°C): | 500 °C |
| Winding Factor          | (mm) | Winding Factor | (mm)                       | 40% Winding Factor              | OD                 | 40.5             |        |
| 0%                      | 32.2 | 40%            | 44.0                       | Completely Full Window          | HT                 | 16.8             |        |
| 20%                     | 38.1 | 45%            | 45.6                       |                                 | Max OD             | 50.1             |        |
| 25%                     | 39.6 | 50%            | 47.3                       | Surface Area (mm <sup>2</sup> ) | Max HT             | 29.0             |        |
| 30%                     | 40.6 | 60%            | 50.8                       |                                 | Unwound Core:      | 2900             |        |
| 35%                     | 42.5 | 70%            | 54.9                       |                                 | 40% Wound:         | 5500             |        |

Coating Temp: (Continuous, up to; °C) 200 °C

Notes:

