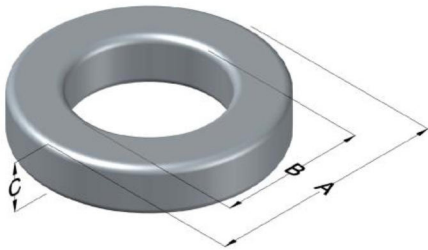




# C055375A2

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| MPP Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |                  | Coating Color |
|----------------------------|----------------------------|--------------|-------------|------------------|---------------|
|                            |                            | Lot Number   | Part Number | Inductance Grade |               |
| 300                        | 214 ± 8%                   | XXXXXX       | 55375A2     | X                | Gray          |

| Dimensions | Uncoated |       | Coated Limits |       |     | Packaging                                    |
|------------|----------|-------|---------------|-------|-----|--|
|            | (mm)     | (in)  | (mm)          | (in)  |     |  |
| OD (A)     | 17.27    | 0.680 | 18.03         | 0.710 | max | Bulk Pack<br>4 bags/box<br>Box Qty= 2000 pcs |
| ID (B)     | 9.65     | 0.380 | 9.02          | 0.355 | min |  |
| HT (C)     | 6.35     | 0.250 | 7.11          | 0.280 | max |  |

| Electrical Characteristics                          |                        |      | Physical Characteristics                              |                         |   |   |                                 |  |            |
|---|------------------------|------|---|-------------------------|---|---|---------------------------------|--|------------|
| Watt Loss @ 100 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%  |   |                         |   |   |                                 |  |            |
| 1050  | 8.50                   | 17.5 | >2000   | 28.0                    | 63.8  | 23.2  | 41.4                            | 960                                      | 8.4460     |

| Winding Information                     |      |                |      |                                 | Temperature Rating |                    |
|---|------|----------------|------|---------------------------------|--------------------|--------------------|
| Winding Length Per Turn                 |      |                |      | Wound Coil Dimensions (mm)      |                    | Curie Temp: 460 °C |
| Winding Factor                          | (mm) | Winding Factor | (mm) | 40% Winding Factor              | OD                 | 19.6               |
|   |      |                |      |                                 | HT                 | 10.1               |
|   |      |                |      | Completely Full Window          | Max OD             | 24.9               |
|   |      |                |      |                                 | Max HT             | 16.3               |
| 0%                                      | 23.2 | 40%            | 28.0 | Surface Area (mm <sup>2</sup> ) |                    |                    |
| 20%                                     | 25.6 | 45%            | 28.6 |                                 |                    |                    |
| 25%                                     | 26.2 | 50%            | 29.3 | Unwound Core                    |                    |                    |
| 30%                                     | 26.6 | 60%            | 30.8 |                                 |                    |                    |
| 35%                                     | 27.4 | 70%            | 32.4 | 40% Winding Factor              |                    |                    |
|   |      |                |      | 990                             |                    |                    |
|   |      |                |      | 1,400                           |                    |                    |
| Notes:                                  |      |                |      |                                 |                    |                    |
| Coating Temp (Continuous up to): 200 °C |      |                |      |                                 |                    |                    |

