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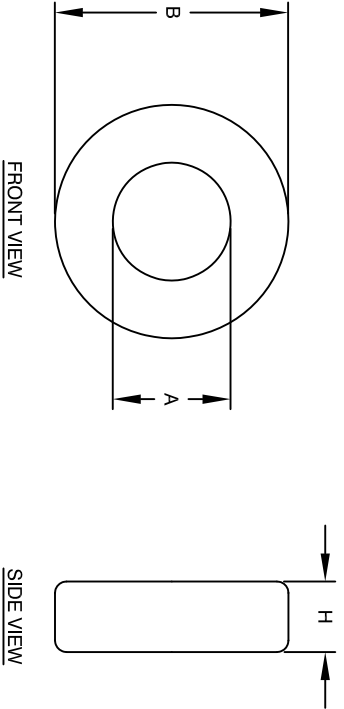
| REVISION HISTORY | | | | | | |
|------------------|-----|-----------------|----|----------|-----|----------|
| REV | ECN | DESCRIPTION | BY | DATE | CHK | DATE |
| A | | INITIAL RELEASE | JL | 02/21/17 | JM | 02/21/17 |

Features

- High Permeability (30-80k), high Impedance Z and high Insertion attenuation
- Suppresses the asymmetrical EMI currents
- High saturation Flux density can reduce over voltage peaks
- High Curie Temperature and excellent temperature chracteristics
- Core Type: Nanocrystalline, NanoByte™

| Electrical Specifications | | | | |
|-------------------------------------|--------------------------|-----------|-------------|------|
| Item | Units | Condition | Value | Tol. |
| A_i | $\mu\text{H}/\text{N}^2$ | @ 10KHz | 12.3 - 24.6 | N/A |
| A_o | $\mu\text{H}/\text{N}^2$ | @ 100KHz | 6 | N/A |
| Permeability @ H peak 3.13 mA/cm | μ_0 | @ 10KHz | 30000 | ±25% |
| A_e | cm^2 | N/A | 2.74 | ±10% |
| L_e | cm | N/A | 58.82 | ±10% |
| $L_e \times N$ | mA x turn | @ 10KHz | 130 | ±10% |
| $L_e \times N$ | mA x turn | @ 100KHz | 130 | ±10% |
| Saturation Flux Density | T | N/A | 1.2 | Max. |
| Curie Temperature | °C | N/A | 580 | Nom. |

| Dimensions and Tolerances | | | | |
|---------------------------|------|-------|-----|------|
| | in | tol. | mm | tol. |
| Core Only | | | | |
| B (Outer Diameter) | 7.87 | ±0.40 | 200 | ±1 |
| A (Inner Diameter) | 6.89 | ±0.40 | 175 | ±1 |
| H (Height) | 1.18 | ±0.40 | 30 | ±1 |
| With Case On | | | | |
| B (Outer Diameter) | 8.19 | ±0.40 | 208 | ±1 |
| A (Inner Diameter) | 6.54 | ±0.40 | 166 | ±1 |
| H (Height) | 1.46 | ±0.40 | 37 | ±1 |



| CODE IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|-------------------------|----------|--|--|
| PARTS LIST | | | |
| AUTOCAD SOLIDWORKS SIGN | X | www.coi/wis.com www.cwsbytemark.com | CWSBYTEMARK 353 W Grove Ave Orange, CA 92665 |
| DRWN JL | 02/21/17 | TITLE: Nanocrystalline Core | |
| CHKD JM | 02/21/17 | SIZE: 1/8" x 1/2" | REV: A |
| ENGR. JM | 02/21/17 | SCALE: N/A | |
| APPR. JM | 02/21/17 | | |

UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND (MILLIMETERS).
 TOLERANCE RANGES:
 XXX±.005 - .XX±.015
 TOLERANCE METRICS:
 XXX±.127 - .XX±.38
 ANGLE PROJECTION
 DO NOT SCALE DRAWING