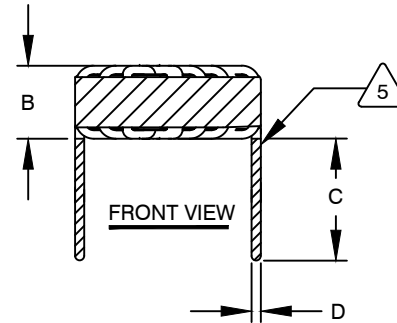
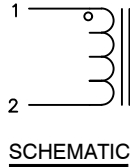


The information contained in this drawing is the sole property of CWS Coil Winding Specialist. Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



| DIMENSIONAL TOLERANCES INCHES [MM] | | | | |
|---------------------------------------|----------------|-----------------|-----------------|-----------------|
| A MAX | B MAX | C MIN | D REF | X REF |
| 0.60 [15.24] | 0.30 [7.62] | 0.50 [12.70] | 0.023 [0.58] | 0.55 [14.00] |

| REVISION HISTORY | | | | | | |
|------------------|-----|-----------------|-------------|------------|-----|------------|
| REV | ECN | DESCRIPTION | SIGN & DATE | | | |
| | | | BY | DATE | CHK | DATE |
| A | - | INITIAL RELEASE | JLL | 03/24/2011 | | |
| A1 | - | UPDATED SPECS. | JZ | 12/19/2020 | JL | 12/19/2020 |



DC BIAS TABLE

| DC BIAS (AMP) | L @ 1.0 KHz |
|---------------|-------------|
| 0 | 46uH |
| 0.5 | 43uH |
| 1 | 40uH |
| 1.5 | 36uH |
| 2 | 32uH |

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
 MARK PART NUMBER AND REVISION, IF APPLICABLE
 WRAP INDUCTOR WITH 3M # 79 OR EQUAL



(I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
 REMOVE INSULATION AND TIN LEADS 0.50 INCH, FLUSH WITH THE COIL EDGE, AS SHOWN



WIND COILS EVENLY SPACED AROUND THE CORE
 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
 WEIGHT: 3.8 GRAMS TYPICAL
 INTERWINDING CAPACITANCE = 7.3 pF TYP @ SRF
 SRF = 10.0 MHz TYPICAL
 |Z| = 4.60 KILO-OHMS TYP @ SRF
 RECOMMENDED AMBIENT OPERATING TEMP: -40 °C TO 200°C
 HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC
 CURRENT RATING : 2 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
 DCR = 33.4 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 45 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV



WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
 CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

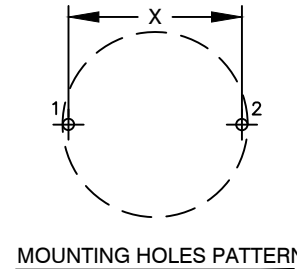
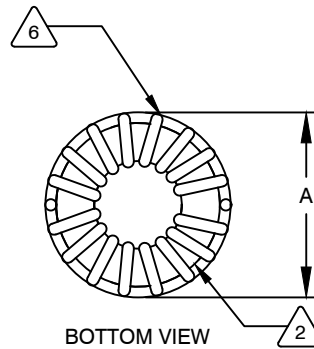
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DME2



UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
 TOLERANCE INCHES:
 .XXX±.005 .XX±.015 \angle±0°30'
 TOLERANCE METRICS:
 .XXX±.127 .XX±.38 \angle±0°30'
 ANGLE PROJECTION
 DO NOT SCALE DRAWING

| CODE IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|-------------------|----------|--|--------------|
| PARTS LIST | | | |
| AUTOCAD | X | | |
| SOLIDWORKS | | | |
| SIGN | DATE | COILWS COM, INC www.coilws.com CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA. 92865 | |
| DRAWN | | | |
| CHECKED | | TITLE: TOROIDAL POWER INDUCTOR 45 uH, 2 Amps, Horizontal | |
| ENGR. | | | |
| APPR. | | SIZE DWG. NO. SN127-450M-2AH SCALE 2=1 | |
| | | | |
| | | REV A1 | |
| | | | SHEET 1 OF 1 |