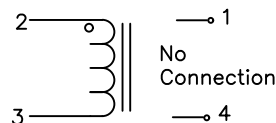


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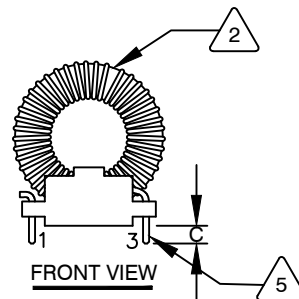


| DIMENSIONAL TOLERANCES<br>INCHES [MM] |                 |                 |                |                |                |                 |                 |
|---------------------------------------|-----------------|-----------------|----------------|----------------|----------------|-----------------|-----------------|
| A<br>MAX                              | B<br>MAX        | B1<br>MAX       | C<br>MIN       | D<br>REF       | D1<br>REF      | X<br>REF        | Y<br>REF        |
| 1.58<br>[40.00]                       | 1.40<br>[35.56] | 0.90<br>[22.86] | 0.21<br>[5.30] | 0.04<br>[1.14] | 0.05<br>[1.27] | 1.20<br>[30.48] | 0.70<br>[17.78] |

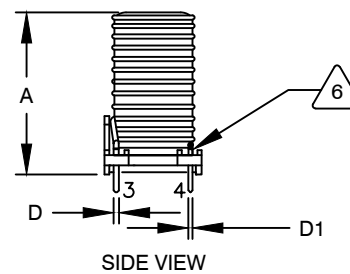
| REVISION HISTORY |     |                 |             |            |      |            |
|------------------|-----|-----------------|-------------|------------|------|------------|
| REV              | ECN | DESCRIPTION     | SIGN & DATE |            |      |            |
|                  |     |                 | BY          | DATE       | CHK  | DATE       |
| A                | —   | INITIAL RELEASE | RLU         | 04/27/2005 | JLAU | 04/27/2005 |
| A1               | —   | UPDATED SPECS.  | JZ          | 09/27/2020 | JL   | 09/27/2020 |



SCHEMATIC



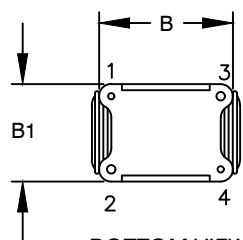
FRONT VIEW



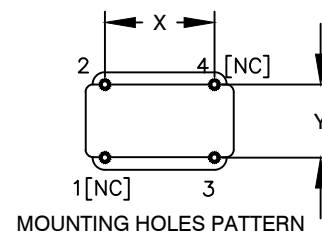
SIDE VIEW

DC BIAS TABLE

| DC<br>BIAS<br>(AMP) | L @<br>1.0 KHz |
|---------------------|----------------|
| 0.0                 | 604uH          |
| 2.0                 | 571uH          |
| 4.0                 | 506uH          |
| 6.0                 | 417uH          |



BOTTOM VIEW



MOUNTING HOLES PATTERN

NC = NO CONNECTION

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER AND REVISION, IF APPLICABLE,

EPOXY COIL TO HEADER



5 REMOVE INSULATION AND TIN LEADS 0.21 INCH, FLUSH WITH THE HEADER EDGE, AS SHOWN

4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 73 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 73.67 pF TYP @ SRF

SRF = 1.00 MHz TYPICAL

|Z| = 17.76 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 130°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC

CURRENT RATING : 6 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 59.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 600 uH±15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C



WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

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

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

"TYP" IN DIM. TOL. 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 <X=±0°30' |
| TOLERANCE METRICS:                              | .XXX=±.127 .XX=±.38 <X=±0°30'  |
| ANGLE PROJECTION                                |                                |
| DO NOT SCALE DRAWING                            |                                |

|            |  |                  |  |                                                   |  |                                                                    |  |
|------------|--|------------------|--|---------------------------------------------------|--|--------------------------------------------------------------------|--|
| CODE IDENT |  | MFG. P/N         |  | DESCRIPTION                                       |  | ITEM NO.                                                           |  |
| PARTS LIST |  |                  |  |                                                   |  |                                                                    |  |
| AUTOCAD    |  | X                |  | COILWS COM, INC<br>www.coilws.com                 |  | CWS Coil Winding Specialist.<br>353 WEST GROVE<br>ORANGE, CA 92865 |  |
| SOLIDWORKS |  |                  |  |                                                   |  |                                                                    |  |
| SIGN       |  | DATE             |  | TITLE: OUTPUT CHOKE<br>600 uH, 6 Amps, Horizontal |  |                                                                    |  |
| DRAWN      |  | RLU 04/27/2005   |  |                                                   |  |                                                                    |  |
| CHECKED    |  | JLAU 04/27/2005  |  |                                                   |  |                                                                    |  |
| ENGR.      |  | JLAU 04/27/2005  |  |                                                   |  |                                                                    |  |
| APPR.      |  | KKSUM 04/27/2005 |  |                                                   |  |                                                                    |  |
|            |  |                  |  | SIZE DWG. NO.                                     |  | REV                                                                |  |
|            |  | B                |  | OPC-3-600-6H                                      |  | A1                                                                 |  |
|            |  | SCALE            |  | 2=1                                               |  | SHEET 1 OF 1                                                       |  |