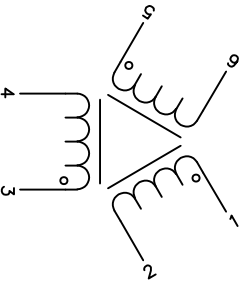
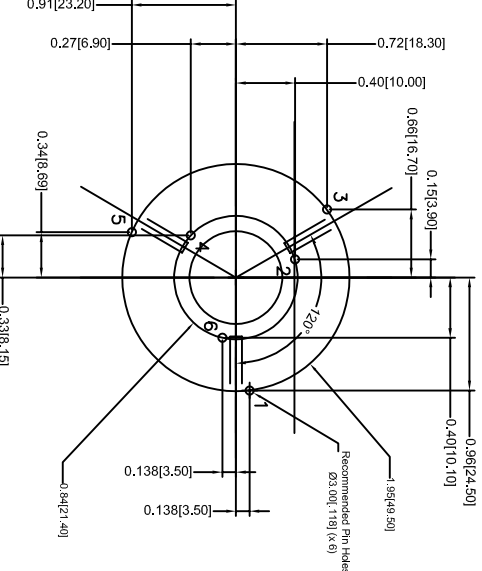


| REV | ECN | DESCRIPTION | SIGN & DATE | | |
|-----|-----|--|-------------|----------|-------------|
| | | | BY | DATE | CHK DATE |
| B1 | | CORRECTED TYPO IN THE Y DIA OF PINS 1 AND 6 ON THE MOUNTING HOLE PATTERN | TN | 12/02/22 | JL 12/02/22 |
| C | | DELETED ORIGINAL NOTES 4, 6 AND REARRANGED NEW NUMBERS, REVISED A & B DIMENSIONS | TN | 04/11/23 | JL 04/11/23 |



SCHEMATIC




MOUNTING HOLES PATTERN

- WEIGHT = ~210 GRAMS
OPERATING TEMP RANGE = -40 °C TO 130°C
MAX TEMP RISE = 40 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS.
DCR ON EACH WINDING = 2.0 mΩ MAX.
SRF ~ 2.1 MHZ TYP
RATED VOLTAGE = 1000 VAC OR VDC
RATED CURRENT = 40 AMPS
LEAKAGE INDUCTANCE = 3.04 μH TYP @ 10 KHZ, 0.25 Vrms.
INTERWINDING CAPACITANCE = 1.9 pF TYP @ 10 KHZ
IMPEDANCE = 1.78 kΩ NOM @ 2.1 MHZ
L = 2.5 mH MIN @ 1 KHZ, 0.25 Vrms, 0 ADC
INSULATION RESISTANCE = 100 MEGA-OHMS MIN. @ 500 VDC
SPECIFICATIONS AT 25°C:

- 1 CASE RATING CLASS B (130°C) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ NOTES FROM BOTTOM TO TOP.
CAGE CODE: 5DME2

| QTY | | CODE IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|--|--|------------|---|-------------------------------------|----------|
| PARTS LIST | | | | | |
| AUTOCAD | | X | <div style="display: flex; justify-content: space-between;"> <div> www.coliws.com sales@coliws.com </div> <div> Coil Winding Specialist Inc. 353 West Grove Ave Orange, California. 92665 </div> </div> | | |
| SOLIDWORKS | | | | | |
| SIGN | | DATE | | | |
| DRAWN | | GN | | | |
| CHECKED | | AK | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONING AND TOLERANCE PER ANSI Y14.5M ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS] TOLERANCE INCHES: XXX+/-E.005 XX+/-E.015 TOLERANCE METRICS: XXX+/-E.127 XX+/-E.38 ANGLE PROJECTION  | | | TITLE: Nanocrystalline Inductor Three-Phase Common Mode Choke Horizontal Mount | | |
| ENGR. | | JKAU | 6/12/12 | SIZE | |
| APPR. | | JKAU | 6/12/12 | DWC NO. B TPC-302U-B40A REV C | |
| DO NOT SCALE DRAWING | | SCALE | | SHEET 1 OF 1 | |
| | | 2=1 | | 1 | |