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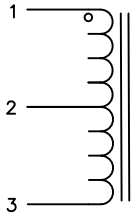
DIMENSIONAL TOLERANCES INCHES [MM]

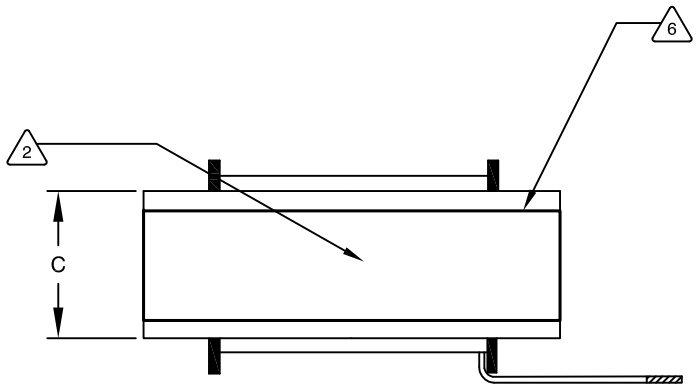
| A NOM | B NOM | C NOM | D NOM | E NOM | | |
|---|---|---|---|---|---|---|
| 4.50 [114.30] | 3.70 [93.98] | 3.00 [76.20] | 9.00 [228.60] | 0.500 [12.70] | | |

REVISION HISTORY

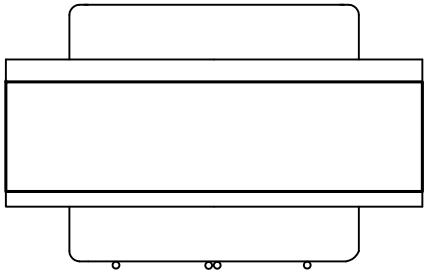
| REV | ECN | DESCRIPTION | SIGN & DATE | | | |
|---|---|---|---|---|---|---|
| | | | BY | DATE | CHK | DATE |
| A | | | TN | 11/29/17 | JL | 11/29/17 |
| | | | | | | |




SCHEMATIC




TOP VIEW



SIDE VIEW

DCR TABLE

| Across Pins | DCR |
|---|---|
| 1-2 | 361 mΩ (Typ) |
| 2-3 | 430 mΩ (Typ) |
| 1-3 | 1.00 Ω (MAX) |

INDUCTANCE TABLE

| Across Pins | Inductance (±10%) |
|---|---|
| 1-2 | 17.50 mH |
| 2-3 | 15.17 mH |
| 1-3 | 65.25 mH |

9 APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER

8 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

7 MARK PART NUMBER AND REVISION WHERE SHOWN

6 VANISH PART AND CURE

5 APPLY SILICONE ADHESIVE WHERE SHOWN
WRAP GLASS TAPE AROUND CORES
WIND WIRE ONTO BOBBIN

4 CONSTRUCTION

WEIGHT: 570.0 GRAM (Typ)

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ SRF = 153 pF (TYP)

RATED FREQUENCY: 100 KHz
RATED CURRENT: 10 AMPS
DCR: SEE TABLE ON THE RIGHT
TEST FREQUENCY: 1KHZ; TEST VOLTAGE: 250mVRMS, ZERO DC BIAS
L= SEE TABLE ON THE RIGHT

3 SPECIFICATIONS:

VANISH WITH DOLPH or EQUAL

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

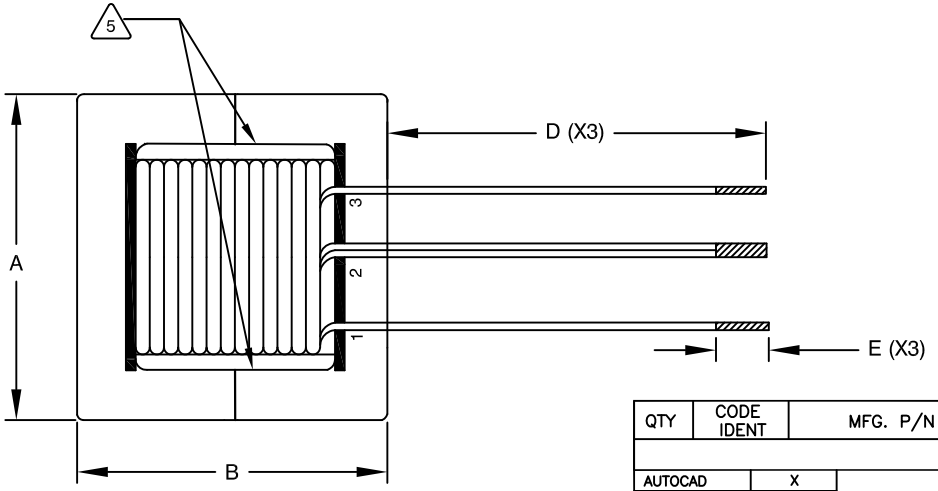
2 WRAP WITH GLASS TAPE

CORE: COMPACTED POWDERED CORE
INSULATION CLASS 180°C REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CAGE CODE: 5DME2




FRONT VIEW

| QTY | CODE IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|---|---|---|---|---|

PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 ∠=±0°30'
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 ∠=±0°30'
ANGLE PROJECTION
DO NOT SCALE DRAWING

| | X |
|---|---|
| AUTOCAD | |
| SOLIDWORKS | |
| SIGN | DATE |
| DRAWN TN | 11/29/17 |
| CHECKED JLAU | 11/29/17 |
| ENGR. JLAU | 11/29/17 |
| APPR. JLAU | 11/29/17 |

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ORANGE, CA 92865

TITLE: Tapped Inductor 65mH

SIZE B | DWG. NO. CL42151-820-1 | REV A

SCALE NOT_TO_SCALE | SHEET 1 OF 1

CAD-FILE: