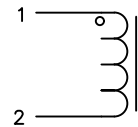


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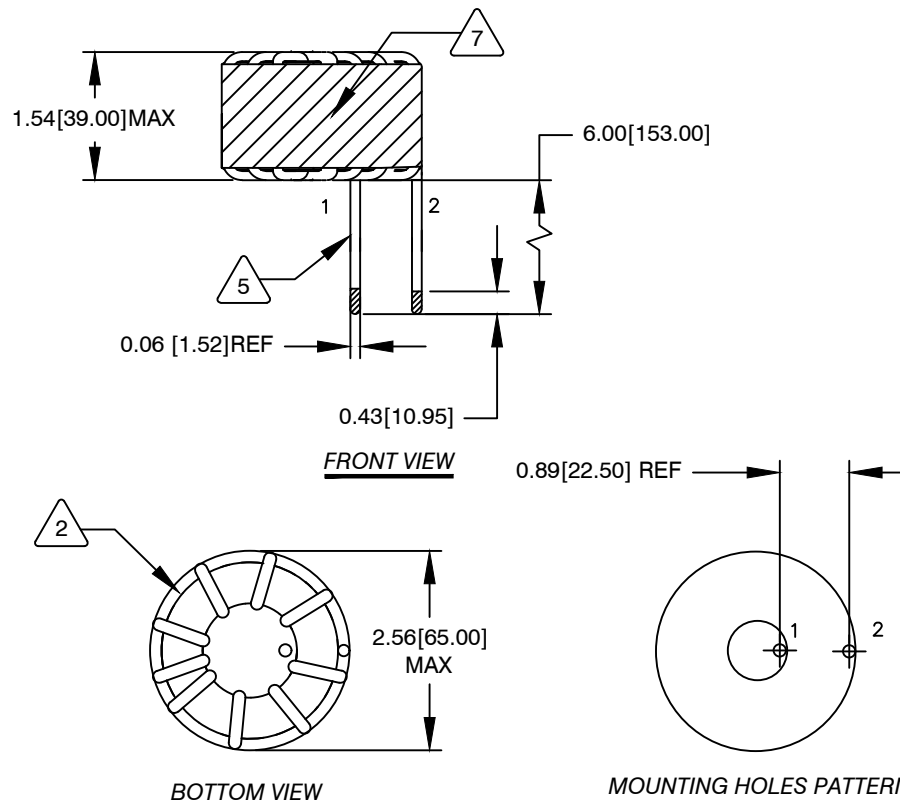
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TN	08/31/2020	JL	08/31/2020



SCHEMATIC

DC BIAS TABLE

DC BIAS (AMP)	L@1KHz (REF)
0	2.23mH
2	2.23mH
4	2.15mH
6	2.06mH
8	1.92mH
10	1.75mH
12	1.60mH
14	1.45mH
16	1.30mH



- 7 BUILD TO RoHS COMPLIANCE AND LEAD-FREE
- 6 LABEL PART NUMBER, REVISION AND DATE CODE
WRAP INDUCTOR WITH GLASS TAPE AND
- 5 REMOVE INSULATION AND TIN LEADS AS SPECIFIED LENGTH
WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:
- 4 WEIGHT: 567 GRAMS TYPICAL
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN
OPERATING TEMP. RANGE = -40°C TO +125°C
INTERWINDING CAPACITANCE = 112pF TYP @ SRF
|Z| = 82 KILO-OHMS TYP @ SRF
SRF = 315 KHz TYPICAL
CURRENT RATING : 16 AMPS, 40°C TEMP. RISE WITH SOME AIRFLOW
DCR = 110.0 MILLI-OHMS MAX.
INDUCTANCE @ BIAS: SEE TABLE ON THE RIGHT.
INDUCTANCE = 2.20 mH ±10% @ LOW DC BIAS, 1 KHz, 250mV
SPECIFICATIONS @ 25°C:
- 3 WIRE: UL RECONIZED 200°C RATED MAGNET WIRE
CORE: TOROIDAL POWDERED CORE
- 2 RATING CLASS B (130°C MIN.) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
- 1

WITHOUT ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL., IF APPLICABLE, REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM.

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

CAGE CODE: 5DME2

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	Coil Winding Specialist, Inc. 353 W Grove Ave Orange, CA 92865	
SOLIDWORKS			
DRAWN	TN 08/31/2020	TITLE: Toroidal Power Inductor 2.20mH, 16 Amps, Horizontal	
CHECKED	JM 08/31/2020		
ENGR.	JL 08/31/2020		
APPR.	JL 08/31/2020		
UNLESS OTHERWISE SPECIFIED		SIZE	REV
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS]. TOLERANCE INCHES: .XXX=±.005 .XX=±.015 $\angle=±0°30'$ TOLERANCE METRICS: .XXX=±.127 .XX=±.38 $\angle=±0°30'$		DWG. NO.	A
ANGLE PROJECTION		CWS-1MF-11603	
DO NOT SCALE DRAWING		SCALE	SHEET 1 OF 1
		NOT_TO_SCALE	

CAD-FILE: