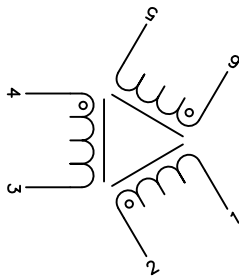
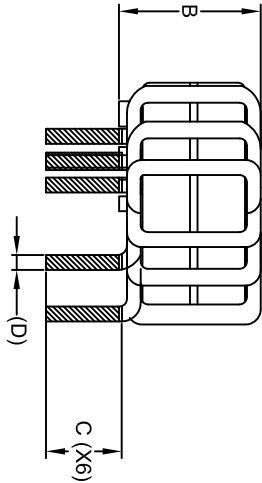


DIMENSIONAL TOLERANCE INCHES [MM]				
A	B	C	D	
MAX	MAX	MIN	TYP	
2.28 [58.00]	0.96 [24.50]	0.75 [19.05]	0.10 [2.60]	

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



FRONT VIEW

SCHEMATIC

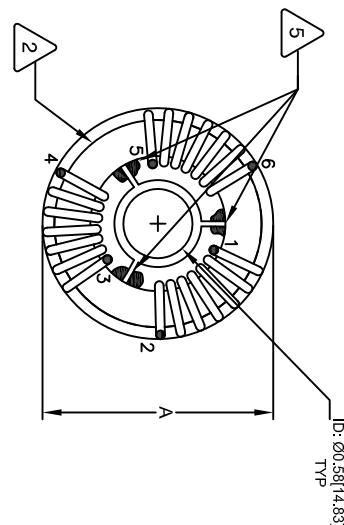
5 APPLY EPOXY WHERE SHOWN (X6 PLACES) FOR TOP AND BOTTOM SIDES.

4 STRIP AND TIN LEADS

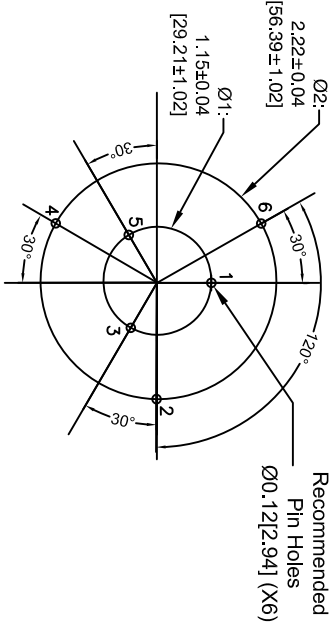
WEIGHT = 148 GRAMS TYP
CHOKE OPERATING TEMP RANGE = -40°C TO 130°C
MAX TEMP RISE = 40°C WITH SOME AIRFLOW
INTERWINDING ISOLATION = 2000 VOLTS RMS
RATED VOLTAGE = 1000 VAC OR VDC
RATED CURRENT = 40 AMPS
LEAKAGE INDUCTANCE = 5.3uH TYP @ 10 KHz, 0.25 Vrms.
DCR ON EACH WINDING = 1.80mΩ MAX.
SRF = 680 KHz TYP
INTERWINDING CAPACITANCE = 56pF TYP @ SRF
|Z| = 1.2KΩ TYP @ SRF
L = 550uH±30% @ 1 KHz, 0.25 Vrms, 0 ADC
SPECIFICATIONS AT 25°C:

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

1 RATING CLASS B (130°C) REQUIRED
MATERIAL: UL RECOGNIZED FOR FLAMMABILITY
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 SPECIFIED, READ NOTES FROM BOTTOM TO TOP.
CAGE CODE: 5DME2



TOP VIEW



MOUNTING HOLES PATTERN

UNLESS OTHERWISE SPECIFIED		AUTOCAD		X	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		SIGN		DATE	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]		DRAWN		08/31/2020	
TOLERANCE INCHES		TN		08/31/2020	
TOLERANCE METRIC		JL		08/31/2020	
X.XX±0.127		APPR.		JL	
ANGLE PROJECTION		08/31/2020		08/31/2020	
DO NOT SCALE DRAWING		SCALE		N/A	

www.coilwv.com		Coil Winding Specialist Inc.	
sales@coilwv.com		353 West Grove Ave	
Orange, California. 92665		TITLE:	
Ferrite Inductor		Three-Phase Common Mode Choke	
550uH, 40 Amps, Horizontal Mount		SIZE	
B		TFR-551U-40A	
REV		A	