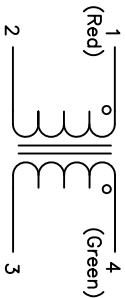


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SCHEMATIC

- 10 BUILD TO ROHS COMPLIANCE AND LEAD FREE.
- 9 VARNISH PART AND CURE
- 8 WRAP COIL WITH CLEAR MYLAR TAPE TO HOLD GLASS TAPE
- 7 APPLY EPOXY TO HOLD COIL ONTO BASE AS SHOWN.
- 6 WRAP COIL WITH GLASS TAPE
- 5 ONTO BASES PINS.
- 4 REMOVE WIRES INSULATION AND SOLDER
- 3 WIND COILS EVENLY SPACED AROUND THE CORE CONSTRUCTION:

WEIGHT: 3 GRAMS TYPICAL
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC,2mA, 5s.
LEAKAGE INDUCTANCE = 0.7uH TYP. @ 1KHz
DCR = 11 MILLI-OHMS TYPICAL
INDUCTANCE = 700nH TYP @ 1.0 KHz, 250mV, 0ADC BIAS
SPECIFICATIONS: @ 25°C:

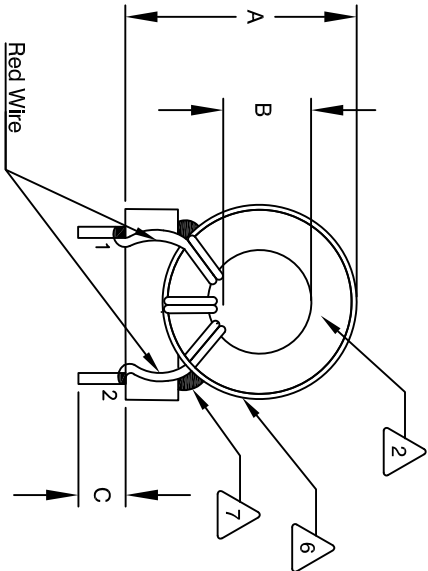
VARNISH: DOLPH OR EQUAL
WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE
CORE: TOROIDAL FERRITE CORE

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

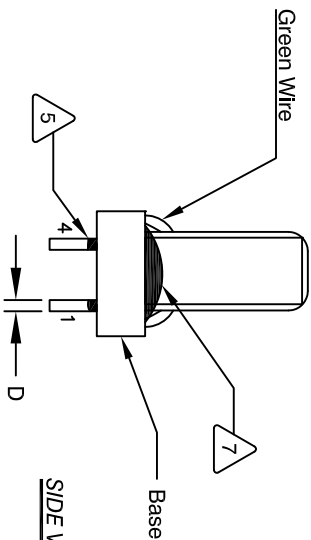
ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.
CAGE CODE: 5DME2

DIMENSIONAL TOLERANCES INCHES (MM)				
A	B	C	D	
TYP	NOM	NOM	REF	
0.51 [13.00]	0.18 [4.60]	0.22 [5.63]	0.03 [0.73]	

REVISION HISTORY				SIGN & DATE			
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE	
A	—	INITIAL DRAWING RELEASE	TN	09/04/22	JL	09/04/22	

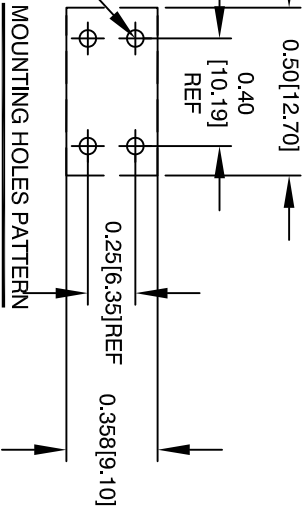


FRONT VIEW



SIDE VIEW

Recommended
PCB Mounting Holes:
0.045 [1.15] (X4)



MOUNTING HOLES PATTERN

CODE		MFG. P/N		DESCRIPTION		ITEM NO.
IDENT						
PARTS LIST						
AUTOCAD		X				
SOLIDWORKS						
SIGN		DATE				
DRAWN		TN		09/04/22		
CHECKED		JM		09/04/22		
ENGR.		JL		09/04/22		
APPR.		JL		09/04/22		
DO NOT SCALE DRAWING		SCALE		2=1		
TITLE:		SIZE		REV		
TOROIDAL BALUN		[ING. NO.]		A		
Vertical with Base Mounting		CWS-1TF-13067				
COWS COM, INC		CWS Coil Winding Specialist.				
www.cowls.com		353 W. Grove Ave.				
		Orange, CA 92865				