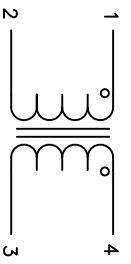


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SCHEMATIC

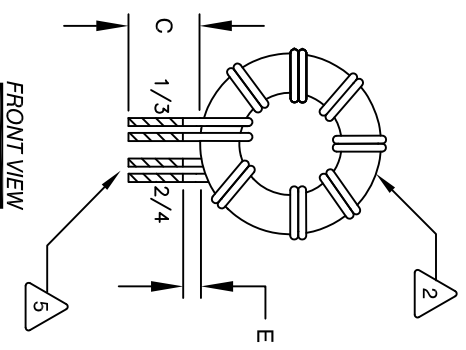
- 6 BUILD TO ROHS COMPLIANCE AND LEAD FREE.
- 5 MUST LEAVE THE UNTINNED PORTION AS SPECIFIED. REMOVE INSULATION AND TIN LEADS 0.5 INCHES MIN.
- 4 WIND COILS BIFILAR EVENLY SPACED AROUND THE CORE CONSTRUCTION:

WEIGHT: 2.5 GRAMS TYPICAL
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 2000VDC, 1s.
LEAKAGE INDUCTANCE = 0.3μH TYP @ 10KHz
INTERWINDING CAPACITANCE = 12pF TYP @ SRF
|Z| = 2 KILO-OHMS TYP @ SRF
SRF = 2.9MHZ TYPICAL
DCR ON EACH WINDING = 33 MILLI-OHMS MAX.
INDUCTANCE = 204.4μH MIN. @ 10KHz, 100mV, 0ADC BIAS
SPECIFICATIONS: @ 25°C:

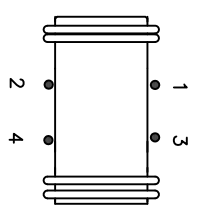
- 3
- 2 WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE
CORE: COATED FERRITE CORE

- 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	E
MAX	MAX	MIN	TYP	UNTINNED
0.60 [15.20]	0.29 [7.40]	0.50 [12.70]	0.016 [0.40]	+0/-0.06 [+0/-1.5]

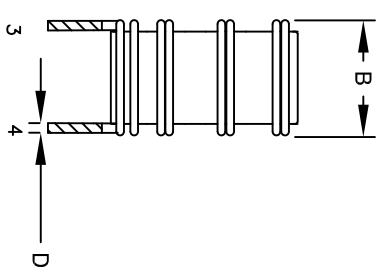


FRONT VIEW




BOTTOM VIEW

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



SIDE VIEW

CODE		MFG. P/N	DESCRIPTION	ITEM NO.
IDENT				
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN	DATE			
DRAWN	TN	09/04/22	TITLE:	
CHECKED	JM	09/04/22	COMMON MODE CHOKE	
ENGR.	JL	09/04/22		
APPR.	JL	09/04/22		
DO NOT SCALE DRAWING			SCALE	
			2=1	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES:	
.XXX=±.005 .XX=±.015	±.±0.30'
.X=±.127 .X=±.25	±.±0.30'
ANGLE PROJECTION	
	

COILWS.COM, INC		CWS Coil Winding Specialist.	
www.coilws.com		353 W. Grove Ave. Orange, CA 92665	

SIZE	DWG. NO.	REV
B	CWS-1TF-11701	A