



- 7 BUILT TO ROHS COMPLIANCE AND LEAD FREE WHERE SHOWN
- 6 IF APPLICABLE, MARK PART NUMBER AND REVISION
- 5 APPLY EPOXY 2 PARTS
- 5 REMOVE INSULATION AND TIN LEADS
- WIND BOTH COILS EVENLY SPACED
- 4 CONSTRUCTION:

WEIGHT: ~ 26 GRAMS

OPERATING TEMP. RANGE: -40°C TO +125°C

|Z| = 1.4KΩ TYP. @ SRF

INTERWINDING CAPACITANCE = 22pF TYP @ SRF

LEAKAGE INDUCTANCE = 4.5uH TYP.

SRF = 1.6MHz TYP.

HI-POT TEST FOR INTERWINDING ISOLATION = 1250VDC

MAX. TEMP RISE AT RATED CURRENT = 35°C

RATED CURRENT = 13.0 AMPS AC MAX

DCR = 2.90 MILLI-OHMS MAX. PER WINDING

L = 280 uH MIN. ±25% @ 100KHz, 250mV

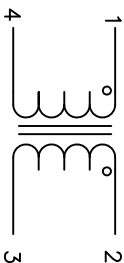
3 SPECIFICATIONS @ 25°C:

WIRE: UL RECOGNIZED 155°C OR HIGHER RATED HEAVY MAGNET WIRE

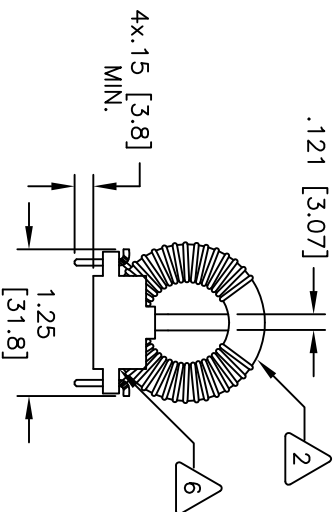
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: COATED FERRITE TOROID, HIGH PERM MNZN

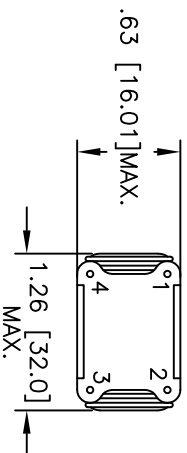
- 1 RATING CLASS B (130°C) REQUIRED
- 1 MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY FOR BOBBIN
- NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.
- CAGE CODE: 5DME2



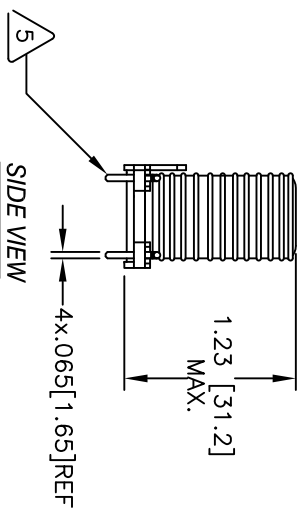
SCHEMATIC



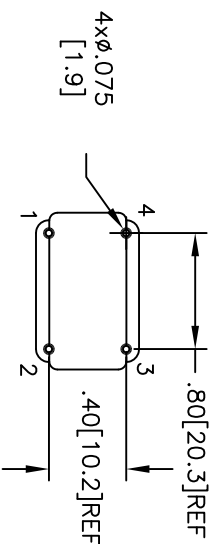
FRONT VIEW



BOTTOM VIEW



SIDE VIEW



MOUNTING HOLES PATTERN

REVISION HISTORY					
REV	ECON	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK DATE
A		PRODUCTION RELEASE	RUU	4/18/07	JLUU 4/18/07
B		REVISED DIMENSION PER NEW HEADER DIMENSION	KJC	9/22/08	TN 9/22/08
B1		REVISED ELEC. SPEC. AND DESCRIPTION	TN	2/14/18	TN 2/14/18

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X		
SOLIDWORKS			
SIGN	DATE		
DRAWN	DATE		
CHKD	DATE		
ENGR.	DATE		
APPR.	DATE		
DO NOT SCALE DRAWING			
TITLE:			
Common Mode Line Chokes			
280uH MIN., 13 Amp			
SIZE	DATE		
B	PM-12-281U-13A		REV B1
SCALE	1=1		SHEET 1 OF 1