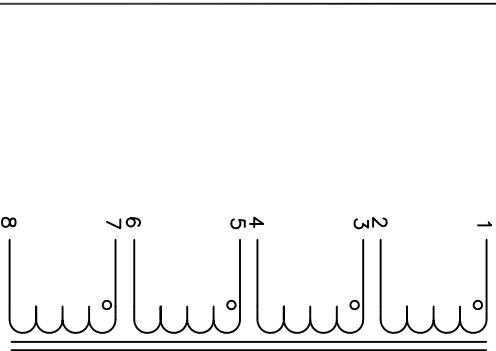


DIMENSIONAL TOLERANCE INCHES [MM]				
A (OD) MAX	B (HGT) MAX	D (LEAD) Ø	C (LEAD LENGTH)	
0.91 [23.00]	0.60 [15.00]	0.03±0.04 [0.70±1.0]	0.16±0.02 [4.00±0.50]	

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

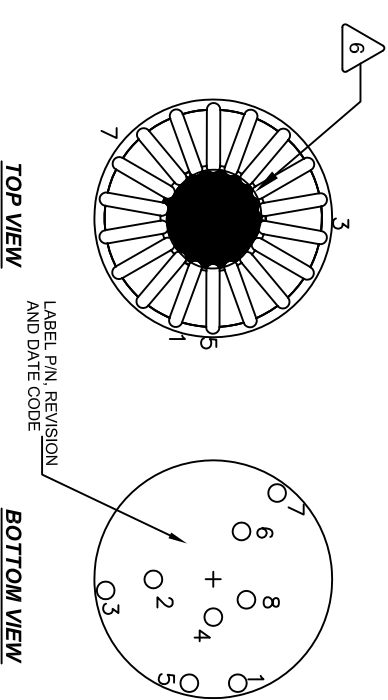


Technical drawing of a rectangular component. The drawing shows a top view with dimensions A (width), B (length), C (height of the base), and D (width of the base). A note (X8) indicates a repeating pattern of 8 units. The component has a central rectangular area and a base with a series of vertical lines.

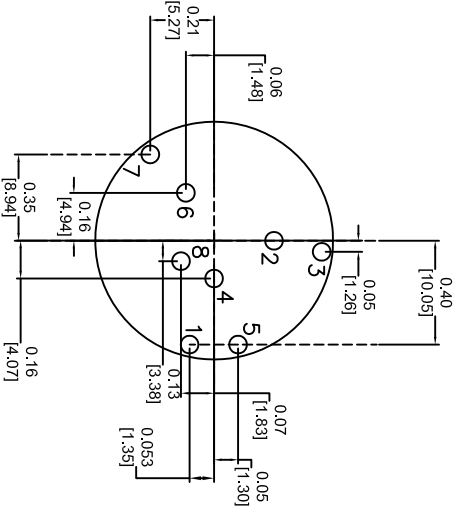
### SIDE VIEW

- 8 BUILT TO ROHS COMPLIANCE
- 7 MARK PIN #1 WITH A WHITE DOT ON THE EDGE OF THE FR4 BASE
- 6 APPLY EPOXY ON TOP AS SHOWN

- 5 TRIM LEADS AND INSTALL FR4 BASE AS SHOWN
- 4 WIND COIL EVENLY SPACED
- WEIGHT = ~15 GRAMS
- OPERATING TEMP RANGE = -40 °C TO 125°C
- MAX TEMP RISE = 30 °C
- INTERWINDING ISOLATION = 500 VOLTS RMS, 1mA, 1S.
- RATED VOLTAGE = 500 VAC OR VDC
- LEAKAGE INDUCTANCE = 1 uH TYP @ 10KHZ
- SRF = 1MHz TYPICAL
- INTERWINDING CAPACITANCE = 25 pF TYP @ SRF
- |Z| = 15 kΩ TYP (PINS 1-2, 7-8) @ SRF; 1.3kΩ TYP (PINS 3-4, 5-6) @ SRF
- DCR = 29 MILLI-OHMS MAX (PINS 3-4, 5-6)
- DCR = 9 MILLI-OHMS MAX (PINS 1-2, 7-8)
- LS = 700uH MIN/1166uH MAX (PINS 3-4, 5-6)
- LS = 63uH MIN/105uH MAX (PINS 1-2, 7-8)
- INDUCTANCE TESTED @ 10KHZ, 100mV, 0 ADC DC BIAS:
- 3 SPECIFICATIONS AT 25°C:




## BOTTOM VIEW



## MOUNTING HOLES PATTERN

- WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE  
CWS BYTEMARK OR OTHER APPROVED PART  
CORE: COATED FERRITE CORE  
2  
1 CASE RATING CLASS B (130°C) REQUIRED  
MATERIAL: UL RECOGNIZED FOR FLAMMABILITY

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.  
 "TYPE" 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: SDME2

UNLESS OTHERWISE SPECIFIED		AUTOCAD		X	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND Y14.5M (UNLESS NOTED)		SOLIDWORKS			
ALL DIMENSIONS ARE IN INCHES		SIGN		DATE	
TOLERANCE, INCHES: XX±.005 XX-.015 TOLERANCE, MILLIMETERS: XX±.127 XX-.305		DRAWN		09/04/22	
		CHECKED		09/04/22	
		ENGR.		09/04/22	
		APPR.		09/04/22	
ANGLE PROJECTION 		SCALE		N/A	
DO NOT SCALE DRAWING					