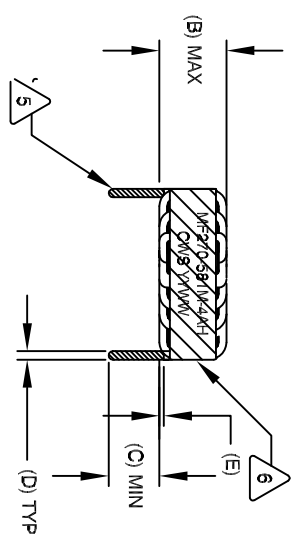


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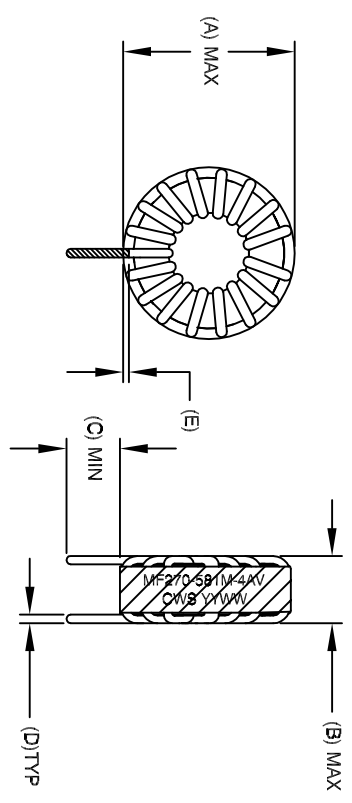
DIMENSIONAL TOLERANCE						
A (OD) MAX	B (HGT) MAX	C (LEAD) MIN	D (LEAD OD) TYP	E MIN/MAX	P1 REF	P2 REF
1.500 [39.02]	.850 [21.51]	.500 [12.70]	.031 [0.80]	.040-.080 [1.00-1.90]	.800 [20.32]	1.200 [30.48]

REVISION HISTORY			SIGN & DATE			
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A		INITIAL RELEASE	KJC	10/1/10	AK	10/1/10



FRONT VIEW

HORIZONTAL

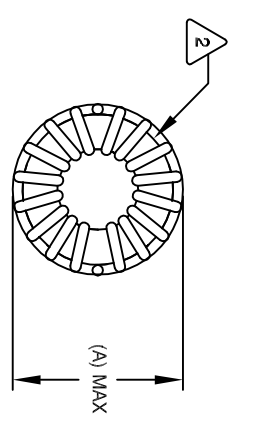


FRONT VIEW

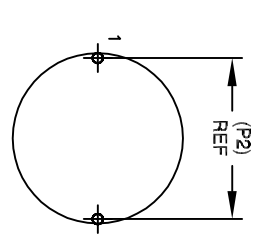
SIDE VIEW

VERTICAL

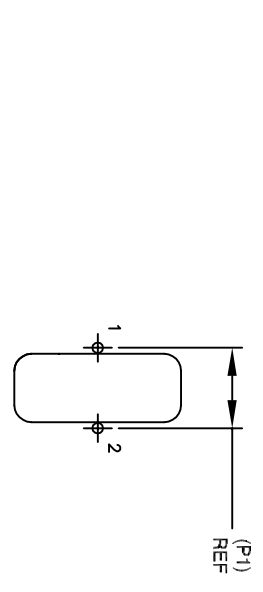
- 8 BUILD TO ROHS COMPLIANCE
- 7 ** ADD SUFFIX "H" FOR HORIZONTAL & "V" FOR VERTICAL
USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE
WRAP INDUCTOR WITH 3M # 89 OR EQUAL
- 6 TO THE CORE
MUST REST FLAT ON PCB. LEADS MUST BE TANGENT
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
REMOVE INSULATION AND TIN LEADS 0.50 INCH
- 5 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:
- 4 THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: ~ 48 GRAM
OPERATING TEMP: -55°C TO +180°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250 VDC 5 SEC
AT IDC OF 4 AMPS, LESS THAN 40 °C TEMP. RISE
DCR = 150.0 MILLI-OHMS MAX.



BOTTOM VIEW

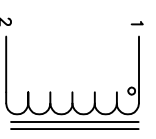


MOUNTING HOLES PATTERN



MOUNTING HOLES PATTERN

- 3 INDUCTANCE @ 4 AMP ~480 uH (LESS THAN 10% RIPPLE)
INDUCTANCE = 580 uH ±15% @ LOW DC BIAS, 100 KHZ, 250mv
SPECIFICATIONS:
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: POWDERED TOROIDAL CORE
- 2 RATING CLASS H (180 °C) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY



SCHEMATIC

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD SIGN	X	COWLS COM, INC	
SOLIDWORKS SIGN		353 W Grove Ave	
DATE		Orange, CA 92865	
DATE		CWS Coil Winding Specialist.	
DATE		WWW.COWLS.COM	
DATE		TITLE: POWER INDUCTOR, HIGH TEMP	
DATE		580 uH, 4 Amp	
DATE		SIZE: Dwg. No.	
DATE		MF270-581M-4A **	
DATE		SCALE: 2=1	
DATE		SHEET 1 OF 1	