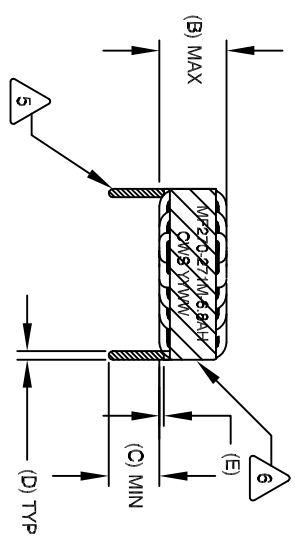


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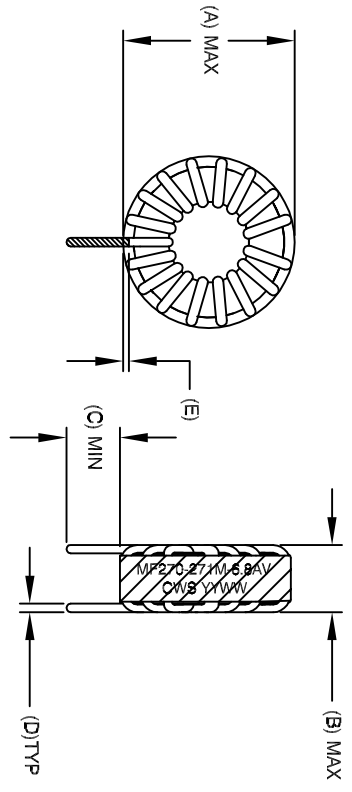
DIMENSIONAL TOLERANCE						
A (OD) MAX	B (HGT) MAX	C (LEAD) MIN	D (LEAD OD) TYP	E MIN/MAX	P1 REF	P2 REF
1.350 [34.28]	.750 [19.05]	.500 [12.70]	.045 [1.15]	.040-.080 [1.00-1.90]	.800 [20.32]	1.200 [30.48]

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



FRONT VIEW

HORIZONTAL

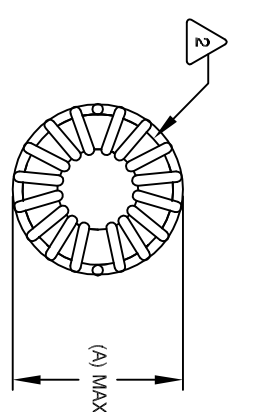


FRONT VIEW

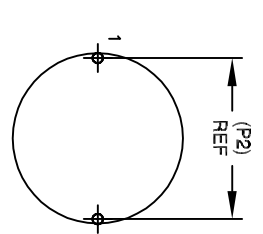
SIDE VIEW

VERTICAL

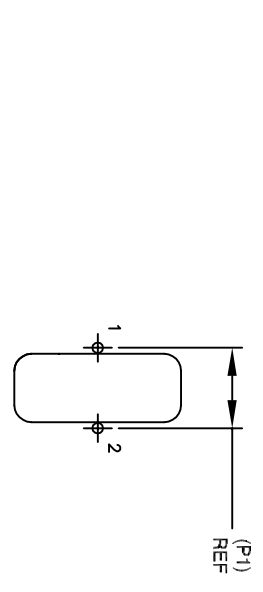
- 6 BUILD TO ROHS COMPLIANCE
- ** ADD SUFFIX "H" FOR HORIZONTAL & "V" FOR VERTICAL
- USING A PERMANENT MARKING METHOD MARK PART NUMBER AND REVISION, IF APPLICABLE WRAP INDUCTOR WITH 3M # 89 OR EQUAL
- TO THE CORE MUST REST FLAT ON PCB; LEADS MUST BE TANGENT FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL REMOVE INSULATION AND TIN LEADS 0.50 INCH
- WIND COILS EVENLY SPACED AROUND THE CORE CONSTRUCTION:
- THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT WEIGHT: ~ 50 GRAM
- OPERATING TEMP: -55°C TO +180°C
- HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250 VDC 5 SEC AT IDC OF 6.8 AMPS, LESS THAN 40 °C TEMP. RISE
- DCR = 58.0 MILLI-OHMS MAX.
- INDUCTANCE @ 6.8 AMP ~202 uH (LESS THAN 10% RIPPLE)
- INDUCTANCE = 270 uH ±15% @ LOW DC BIAS, 100 KHZ, 250mvV SPECIFICATIONS:
- WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
- CWS BYTEMARK OR OTHER APPROVED PART
- CORE: POWDERED TOROIDAL CORE
- RATING CLASS H (180 °C) REQUIRED MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY



BOTTOM VIEW

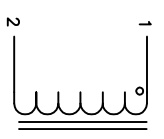


MOUNTING HOLES PATTERN



MOUNTING HOLES PATTERN

- 2
- 1



SCHEMATIC

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
AUTOCAD	X		
SOLIDWORKS			
SIGN	DATE	PARTS LIST	
DRW	10/1/10	CWS Coil Winding Specialist.	
ENGR	10/1/10	WWW.COILS.COM	
AK	10/1/10	353 W Grove Ave	
ENGR	10/1/10	Orange, CA 92865	
AK	10/1/10	TITLE: POWER INDUCTOR, HIGH TEMP	
AK	10/1/10	270 uH, 6.8 Amp	
AK	10/1/10	SIZE: Dwg. No.	REV
AK	10/1/10	B MF270-271M-6.8A **	A
AK	10/1/10	SCALE: 2=1	SHEET 1 OF 1