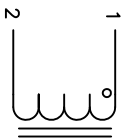


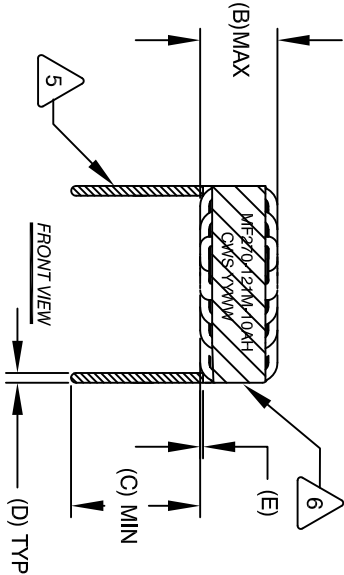
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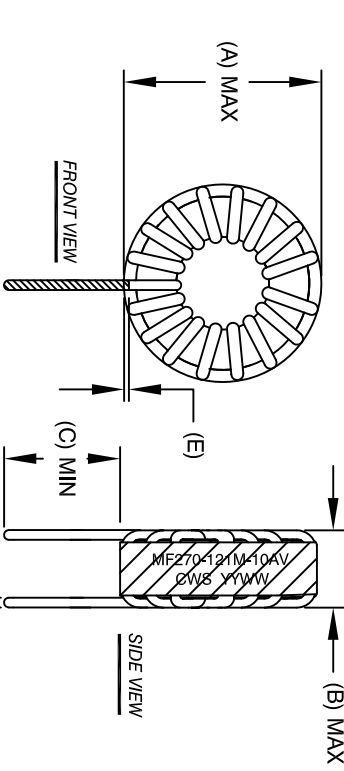
SCHEMATIC

DIMENSIONAL TOLERANCES INCHES [MM]						
A(OD) MAX	B(HGT) MAX	C(LEAD) MIN	D(LEAD OD) TYP	E MIN/MAX	P1 REF	P2 REF
1.300" [33.02]	.700" [17.76]	.500" [12.70]	0.061" [1.30]	.040 - .060" [1.00-1.50]	.600" [15.24]	1.200" [30.48]

REVISION HISTORY				SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A		INITIAL RELEASE	KLC	01/29/10	AK	01/29/10
B		CHANGED TO 10 AMP & PN	KLC	10/1/10	AK	10/1/10
C		CHANGED MAX DCR TO 26 MILLI-OHMS	TN	07/21/21	JL	07/21/21

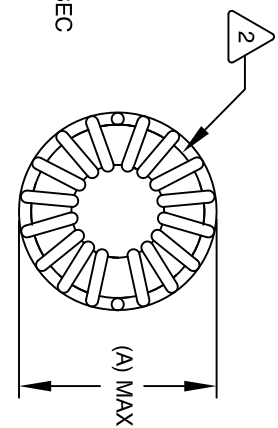


HORIZONTAL

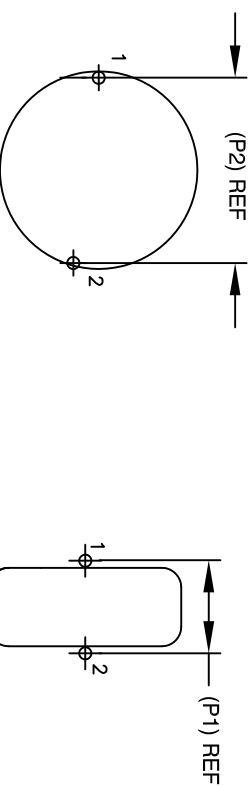


VERTICAL

- 5 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
- 4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:



BOTTOM VIEW



MOUNTING HOLES PATTERN

MOUNTING HOLES PATTERN

- 3 THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: ~ 47 GRAM
OPERATING TEMPERATURE: -55°C TO 180°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250VDC 5 SEC
AT IDC OF 10 AMPS, LESS THAN 40°C TEMP RISE
DCR = 26 MILLI-OHMS MAX.
INDUCTANCE @ 10 AMPS ~ 90 uH (LESS THAN 10% RIPPLE)
INDUCTANCE @ 8.0 AMPS ~ 98 uH (LESS THAN 10% RIPPLE)
INDUCTANCE = 120 uH ± 15% @ LOW DC BIAS, 100 KHz, 250mV
SPECIFICATIONS:

- 2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: POWDERED TOROIDAL CORE

- 1 RATING CLASS H (180°C MIN.) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE STATED, READ FROM THE BOTTOM UP.

UNLESS OTHERWISE SPECIFIED				DIMENSIONING AND TOLERANCE PER ANSI Y14.5M			
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]				TOLERANCE INCHES:			
TOLERANCE METRICS:				XXX=±.005 XX=±.015 X=±.030			
XXX=±.127 XX=±.38 X=±.95				ANGLE PROJECTION			
DO NOT SCALE DRAWING				SCALE			

MOUNTING HOLES PATTERN				MOUNTING HOLES PATTERN			
CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.	PARTS LIST		
AUTOCAD	SIGN	DATE	TITLE:	SIZE	CWS Coil Winding Specialist.		
SOLIDWORKS	AK	01/29/10	POWER INDUCTOR, HIGH TEMP	120 uH, 10 Amp	353 W Grove Ave		
DRWN	KLC	01/29/10	ENGR.	APPR.	Orange, CA 92865		
CHKD	KLC	01/29/10	REV	SCALE	2=1		
ENGR.	KLC	01/29/10	REV	SCALE	2=1		
APPR.	KLC	01/29/10	REV	SCALE	2=1		