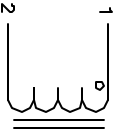


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SCHEMATIC

6 USING A PERMANENT MARKING METHOD  
MARK PART NUMBER AND REVISION, IF APPLICABLE  
IF NEEDED, WRAP INDUCTOR WITH GLASS TAPE

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 0.75 INCH

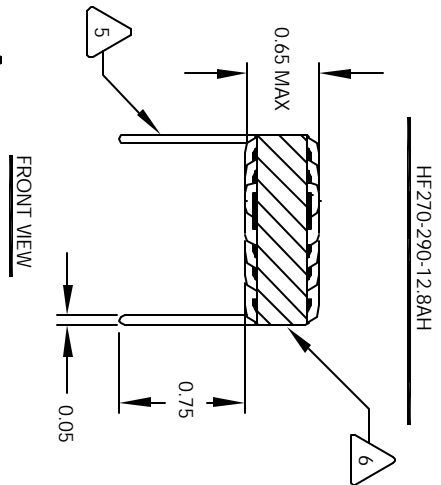
4 WIND COILS EVENLY SPACED AROUND THE CORE  
CONSTRUCTION:

3 HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN  
CURRENT RATING : 12.8 AMPS, 40 °C TEMP. RISE, NO AIR FLOW  
DCR = 13.0 MILLI-OHMS MAX.  
DC BIASED = 12.8 AMPS, INDUCTANCE = 26 UH  
DC BIASED = 18.2 AMPS, INDUCTANCE = 23.2UH  
INDUCTANCE = 29 UH +/-10% @ LOW DC BIAS, 1 KHZ, 250mV  
SPECIFICATIONS:

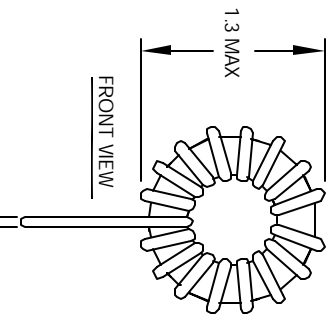
2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE  
CWS BYTEMARK OR OTHER APPROVED PART  
CORE: COATED HIGH FLUX TOROIDAL CORE

1 RATING CLASS B (130°C MIN.) REQUIRED  
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: TOROIDAL POWER CHOCHE. ALL DIMENSIONS IN INCHES



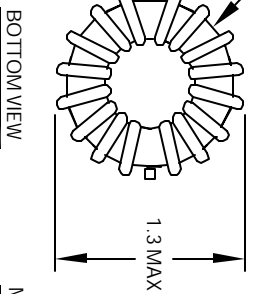
HF270-290-12.8AH



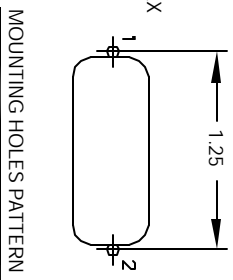
HF-270-290M-12.8AV



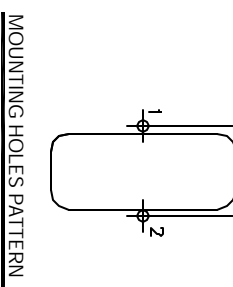
0.65 MAX



BOTTOM VIEW



MOUNTING HOLES PATTERN



MOUNTING HOLES PATTERN

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHECK
A		PRODUCTION RELEASE	TKK	2/28/04	JLUU
					JLUU 2/9/04

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
		<b>PARTS LIST</b>	
		AUTOCAD SOLIDWORKS SIGN	X
DRAWN	DATE	CWS Coil Winding Specialist	
TKK	2/8/04	1510 E. Edinger Ave.	
CHKD	DATE	WWW.COILS.COM	
JLUU	2/9/04	Unit B, Santa Ana, CA 92705	
ENGR	DATE	TITLE: Toroidal Power Chokes Toroid Inductor	
KSUM	3/6/04		
APPR	DATE	SIZE (DIM. IN)	REV
JLUU	3/8/04	B	B
		SCALE	HF270-290M-12.8A
		<b>2=1</b>	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
TOLERANCING AND DIMENSIONS PER ANSI Y14.5M
ALL DIMENSIONS ARE IN NOTES AND DIMENSIONS
TOLERANCE INCHES
XXXX±.002 .XXXX±.015
XXXX±.127 .XXXX±.25
ANGLE PROJECTION
DO NOT SCALE DRAWING