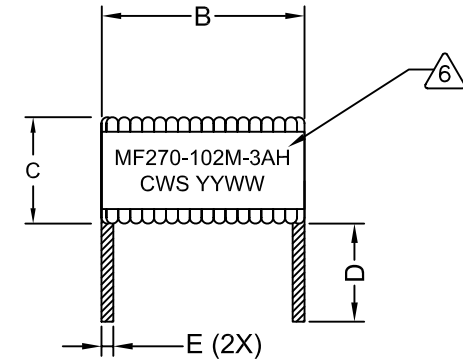
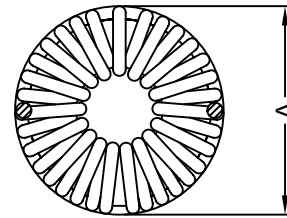
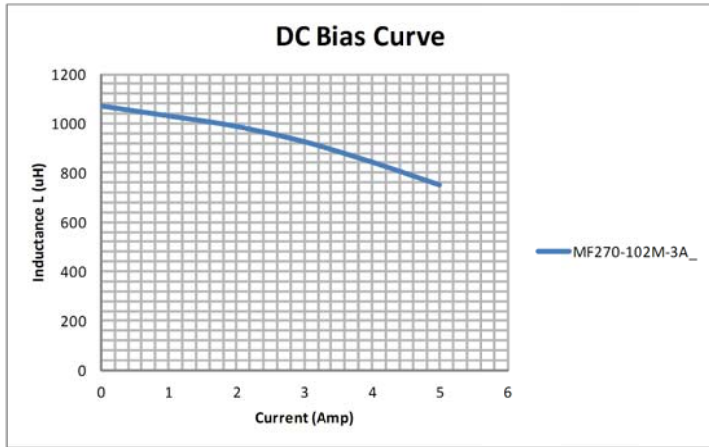


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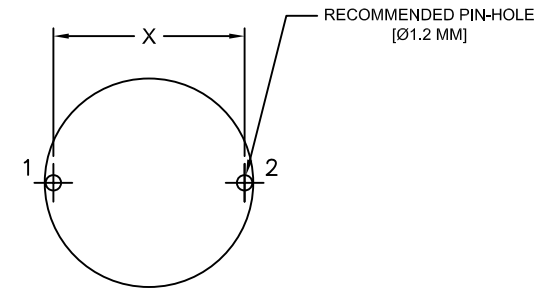
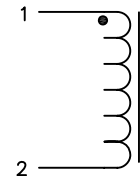
DIMENSIONAL TOLERANCE							
A	B	C (HGT)	D (LEAD)	E (Ø DIM)		X	Y
MAX	MAX	MAX	TYP	TYP		REF	REF
1.28" [32.5]	1.28" [32.5]	0.65" [16.5]	.50" [12.7]	.029" [0.73]		1.17" [29.7]	NA

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		INITIAL RELEASE	KLC	11/1/11	AK	11/1/11



BOTTOM VIEW

SIDE VIEW



SCHEMATIC

MOUNTING HOLE PATTERN (TOP VIEW)

7 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

6 IF APPLICABLE, MARK PART NUMER AND REVISION

POSITION LEADS AS REQUIRED
REMOVE WIRE INSULATION AND TIN
WIND COILS EVENLY SPACED
CONSTRUCTION:

5

4 WEIGHT: ~50 GRAMS

HI-POT WINDING-TO-CORE 1250 V AC, 10 SEC
INTERWINDING CAPACITANCE 70 pF TYPICAL @ 10 kHz
DCR= 250 mΩ MAX
SRF ~ 600 kHz TYPICAL
MAX TEMP. RISE @ IDC 3 AMP, LESS THAN 40°C WITH NO AIRFLOW
INDUCTANCE @ 0 AMP = 1000 uH±15% (LESS THAN 10% RIPPLE)
TEST FREQUENCY: 1.0 kHz ; TEST VOLTAGE: 250 mV
RATED MAX. CURRENT= 3.0 AMPS RMS ; FREQUENCY: 1kHz
OPERATING TEMPERATURE RANGE : -40° TO 180°C
SPECIFICATIONS @ 25°C

3

WIRE: UL RATED CLASS 200°C
CORE: HIGH TEMP POWDERED CORE

2

RATING UL-CLASS H (180°) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY

1

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

CUSTOMER: _____

CUST REF PN: _____

APPROVED BY: _____

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD SOLIDWORKS	X	WWW.COILWS.COM, INC sales@coilws.com	CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA 92865 (CAGE 5DM22)
SIGN	DATE	TITLE: POWER INDUCTOR, HIGH TEMP 1000 uH, 3 Amp	
DRAWN KLC	11/1/11	SIZE B DWG. NO. MF270-102M-3AH REV A	
CHECKD AK	11/1/11		
ENGR. KLC	11/1/11		
APPR. KLC	11/1/11	SCALE 2=1	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES: .XXX±.005 .XX±.015 $\angle=40^{\circ}30'$.XX±.127 .X±.238 $\angle=40^{\circ}30'$
ANGLE PROJECTION
DO NOT SCALE DRAWING