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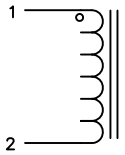
DIMENSIONALS MEASURED IN INCHES AND [MM]

A (OD) MAX	B (HGT) MAX	C (LEAD) MIN	D (LEAD OD) TYP	E MIN/MAX	P1 REF	
1.320" [33.53]	.690" [17.53]	.500" [12.70]	.070' [1.78]	.002-.100" [0.50-2.50]	.690" [17.53]	

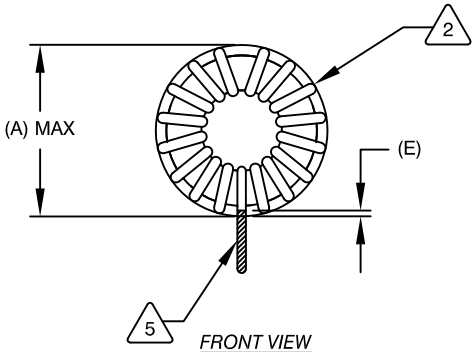
REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE BY	DATE	CHK	DATE
A	N/A	PRODUCTION RELEASE	JUL	3/24/11	N/A	N/A
B	151118	UPDATE INFORMATION	AK	11/18/15	BO	11/18/15

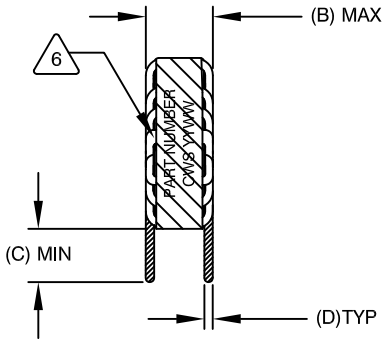
VERTICAL



SCHEMATIC



FRONT VIEW



SIDE VIEW

DC Bias	
0 Amp	29 uH
2 Amp	27 uH
4 Amp	24 uH
6 Amp	23.7 uH
10 Amp	19 uH
13 Amp	16 uH
17 Amp	14 uH

8 BUILD TO ROHS COMPLIANCE

△7 GREATER THAN DIMENSION (D) BY 15%
MOUNTING HOLE SIZE ON PCB BOARD SHOULD BE

△6 LABEL PART NUMBER AND REVISION, IF APPLICABLE
WRAP INDUCTOR WITH GLASS TAPE

△5 (C) AND (E)
REMOVE INSULATION AND TIN LEADS BASED ON DIMENSIONS

WIND COILS EVENLY SPACED AROUND THE CORE

4 CONSTRUCTION:

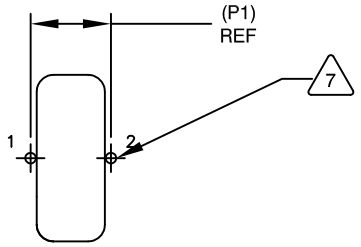
WEIGHT = 40 GRAMS
OPERATING TEMP RANGE = -25°C TO 120°C
MAXIMUM TEMPERATURE RISE = 40°C
SRF = GREATER THAN 10 MHz
CURRENT RATING =17.0 AMPS
DCR = 4.25.0 MILLI-OHMS MAX
INDUCTANCE = 27 uH±15% @ 1 KHz, 250mV

3 SPECIFICATIONS @ 25°C

△2 WIRE:CLASS 200°C RATED
CWS BYTEMARK OR OTHER APPROVED PART

RATING CLASS B (130 °C MINIMUM) REQUIRED

1 MATERIAL: UL RECOGNIZED FOR FLAMMABILITY



MOUNTING PATTERN

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP

PARTS LIST

AUTOCAD	X	SALES@COILWS.COM	CWS Coil Winding Specialist.
SOLIDWORKS		www.coilws.com	353 W Grove Ave Orange, CA 92865

UNLESS OTHERWISE SPECIFIED	SIGN	DATE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].		
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 ∠=±0°30'		
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 ∠=±0°30'		
ANGLE PROJECTION		
DO NOT SCALE DRAWING		
DRAWN	KLC	10/06/08
CHECKED	CT	10/06/08
ENGR.	KLC	10/06/08
APPR.	JLAU	03/24/11

TITLE: Toroidal Power Chokes 27 uH, 17 Amp

SIZE | DWG. NO. SN270-270M-17AV | REV B

SCALE N/A | SHEET 1 OF 1

CAD-FILE: