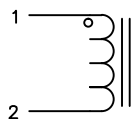


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SCHEMATIC

DC BIAS @10KHz	
0A	11 uH
5A	10 uH
10A	8.6 uH
15A	7.4 uH
20A	6.3 uH
21A	6.1 uH

7 BUILD TO ROHS COMPLIANCE AND PB FREE

6 MARK PART NO. AND REV.
IF NEEDED, WRAP INDUCTOR WITH ACRYLIC TAPE,

5 LEADS MUST BE TANGENT TO THE CORE
FLUSH WITH THE COIL EDGE,
REMOVE INSULATION AND TIN LEADS 0.5 INCH

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

WEIGHT: 32 GRAMS (TYP)

HI-POT : WINDING TO CORE ISOLATION = 500VDC MIN
NO AIR FLOW

CURRENT RATING : 21 AMPS, 40 °C TEMP. RISE,
DCR : 23 MILLI-OHMS MAX.

SELF RESONANCE FREQUENCY : 16.25 MHz (TYP)

INTERWINDING CAPACITANCE @ 10KHz : 9pF (TYP)

INDUCTANCE WITH DC BIAS : PLEASE SEE TABLE ABOVE
INDUCTANCE = 10 uH ±15% @ LOW DC BIAS, 10KHz, 250mV
SPECIFICATIONS:

WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE

CWS BYTEMARK (www.cwsbytemark.com) OR APPROVED VENDOR
CORE: COATED SENDUST/KOOLMU TOROIDAL CORE

RATING CLASS B (130°C MIN.) REQUIRED

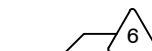
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

READ TEXT FROM BOTTOM UP

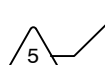
NOTES: TOROIDAL POWER CHOKE. ALL DIMENSIONS IN INCHES [MM]

SN270-100M-21AH

0.4[10.16]MAX



.50[12.7]MIN



FRONT VIEW



BOTTOM VIEW

.90[22.86]MAX

SN270-100M-21AV

.40[10.16]MAX

.90[22.86]MAX

.047[1.20]REF

.50[12.70]MIN

FRONT VIEW

SIDE VIEW

.32[8.13]REF

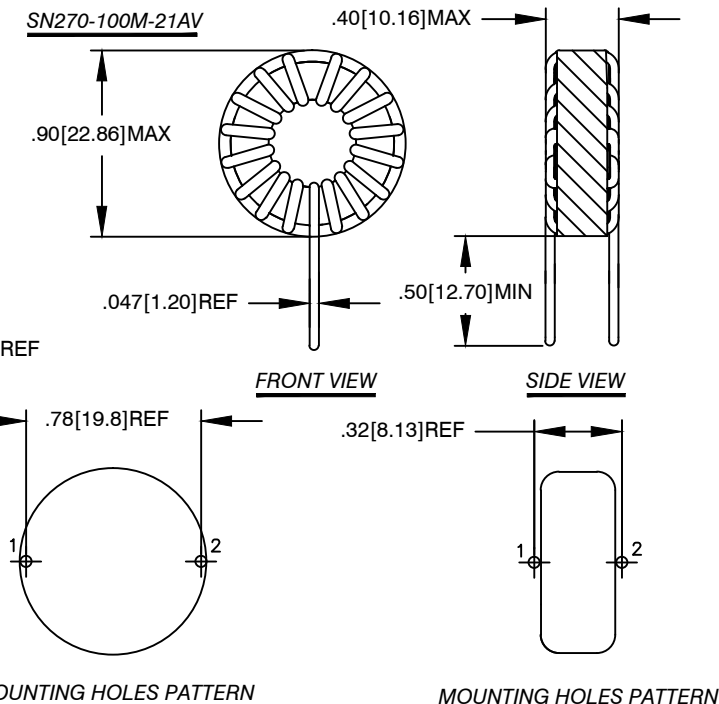
.78[19.8]REF

MOUNTING HOLES PATTERN

MOUNTING HOLES PATTERN

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	JLL	3/24/11		



CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	COILWS COM, INC www.coilws.com	CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA 92865
SOLIDWORKS			
SIGN	DATE		
DRAWN KLC	10/6/08		
CHECKED CT	10/6/08	TITLE: Toroidal Power Inductor 10 uH, 21 Amp	SIZE DWG. NO. B SN270-100M-21A
ENGR. KLC	10/6/08		
APPR. KLC	10/6/08		
SCALE		2=1	REV A
		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 <1/16"=±0.030	
TOLERANCE METRICS:	
.XXX=±.127 .XX=±.38 <1/16"=±0.30	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	