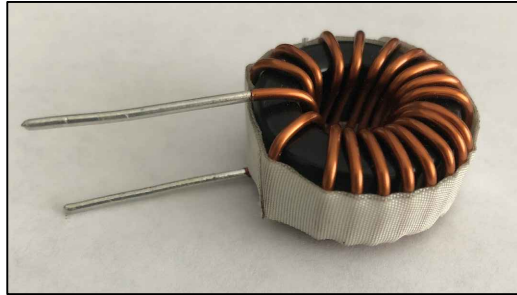
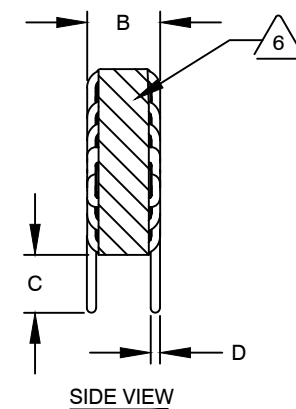
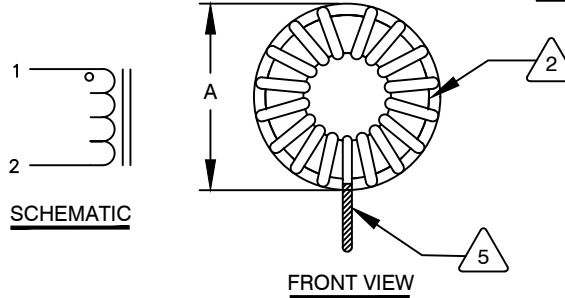


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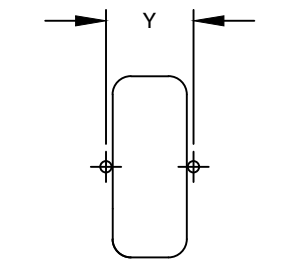


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.25 [31.75]	.60 [15.36]	.50 [12.70]	.056 [1.43]	0.60 [15.34]

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK
A	-	INITIAL RELEASE	JLL	05/03/2011	
A1	-	UPDATED SPECS.	JZ	08/05/2020	JL 08/05/2020



DC BIAS TABLE	
DC BIAS (AMP)	L @ 1.0 KHz
0	56.0uH
2	54.3uH
4	48.3uH
6	42.1uH
8	36.9uH
10	31.4uH



- 7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.
USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE,
WRAP INDUCTOR WITH 3M # 79 OR EQUAL

(I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
REMOVE INSULATION AND TIN LEADS 0.50 INCH, FLUSH WITH THE COIL EDGE, AS SHOWN

- 4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE
WEIGHT: 39 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 15.3 pF TYP @ SRF
SRF = 5.6 MHz TYPICAL
|Z| = 5.6 KILO-OHMS TYP @ SRF
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 200°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC
CURRENT RATING : 10 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 8.77 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
INDUCTANCE = 56 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C

WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE
CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

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

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.
CAGE CODE: 5DME2

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 $\angle = \pm 0^{\circ}30'$
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 $\angle = \pm 0^{\circ}30'$
ANGLE PROJECTION
DO NOT SCALE DRAWING

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	COILWS COM, INC www.coilws.com	CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865
SOLIDWORKS			
DRAWN	SIGN DATE	TITLE: TOROIDAL POWER INDUCTOR 56 uH, 10 Amps, Vertical	
CHECKED	CT 10/06/2008		
ENGR.	KLC 10/06/2008		
APPR.	JLAU 05/03/2011	SIZE DWG. NO. B SN270-560M-10AV	REV A1
SCALE 2=1		SHEET 1 OF 1	