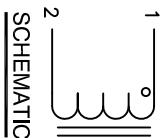


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DIMENSIONAL TOLERANCES
INCHES (MM)

A	B	C	D	X
MAX	MAX	TYP	REF	REF
1.13 [28.70]	0.53 [13.50]	0.50 [12.70]	0.05 [1.27]	1.05 [26.67]



7 BUILD TO ROHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER, REVISION AND DATE CODE

WRAP INDUCTOR WITH 3M # 79 OR EQUAL

5 (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE

4 WIND COILS EVENLY SPACED AROUND THE CORE CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 16.3pF TYP @ SRF

SRF = 5.33MHz TYPICAL

|Z| = 6.7K Ω -OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.

INDUCTOR CURRENT RATING : 8.3 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 22 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 50 μ H \pm 10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK 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. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DMEZ

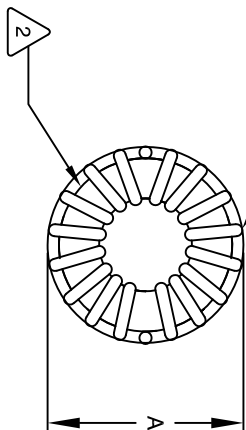
REVISION HISTORY

REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
C	-	UPDATED SPEC.	TN	07/14/2020	JL	07/14/2020
C1	-	REVISED OD AND HEIGHT SPEC.	TN	04/27/21	JL	04/27/21
C2	-	REVISED DIM B SPEC.	TN	06/22/21	JL	06/22/21

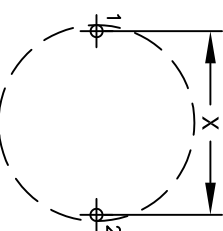
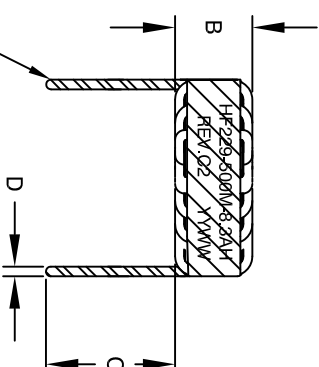
DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	51 μ H
1	51 μ H
2	51 μ H
4	50 μ H
6	49 μ H
8	47 μ H
8.3	47 μ H

BOTTOM VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

PARTS LIST

CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
AUTOCAD	SIGN	DATE	TITLE	
SOLIDWORKS	TOK	2/8/04	COILWS.COM, INC	
DRWIN	JLJU	2/9/04	www.coilws.com	
ENGR.	KSUM	3/5/04	CWS Coil Winding Specialist.	
APPR.	JLJU	3/6/04	1510 E. Edinger Ave.	
			Unit B, Santa Ana, CA. 92705	
			SIZE	REV
			1/4	C2
			2=1	