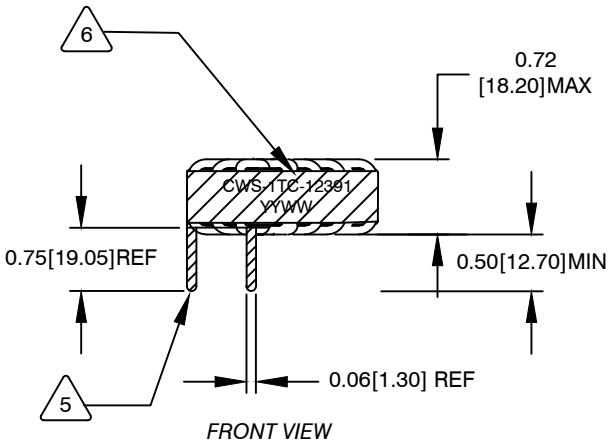
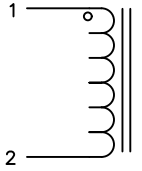
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B1		INTIAL DRAWING RELEASE	TN	11/07/2020	JL	11/07/2020



FRONT VIEW



SCHEMATIC

DC BIAS TABLE

DC BIAS (AMP)	L@1KHz (REF)
0	318uH
2	253uH
4	178uH
5	150uH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE

6 LABEL PART NUMBER, REVISION AND DATE CODE
WRAP INDUCTOR WITH MYLAR TAPE

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

WIND COIL EVENLY SPACED AROUND THE CORE
4 CONSTRUCTION:

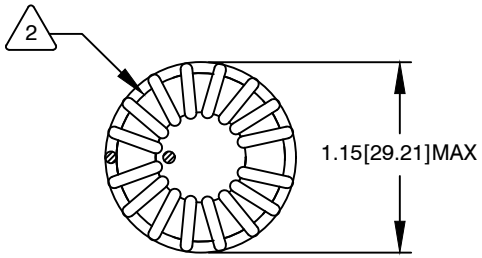
WEIGHT: 34 GRAMS TYPICAL
OPERATING TEMP. RANGE = -40°C TO 155°C
CURRENT RATING : 5 AMPS
INTERWINDING CAPACITANCE = 14.8pF TYP @ SRF
|Z| = 13.2 KILO-OHMS TYP @ SRF
SRF = 2.38MHz TYPICAL
DCR = 55 MILLI-OHMS MAX.
INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT.
INDUCTANCE = 304.56uH±20% @ 0A DC BIAS, 10KHz, 250mV
3 SPECIFICATIONS @ 25°C:

2 WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE or HIGHER
CORE: POWDERED TOROIDAL CORE

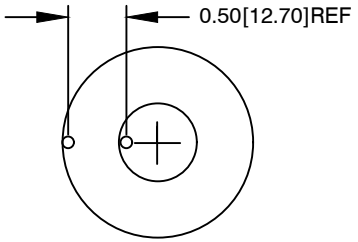
RATING CLASS H (180°C MIN.) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

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 SPECIFIED, READ NOTES FROM BOTTOM UP.
CAGE CODE: 5DME2



BOTTOM VIEW



MOUNTING HOLES PATTERN

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

UNLESS OTHERWISE SPECIFIED
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

	SIGN	DATE
AUTOCAD	X	
SOLIDWORKS		
DRAWN	TN	11/07/2020
CHECKED	JL	11/07/2020
ENGR.	JL	11/07/2020
APPR.	JL	11/07/2020

COILWS COM, INC
www.coilws.com

CWS Coil Winding Specialist.
353 W Grove Ave
Orange, CA 92865

TITLE: Power Inductor
304.56uH, 5 Amps

SIZE B | DWG. NO. CWS-1TC-12391 | REV B1

SCALE 2=1 | SHEET 1 OF 1

CAD-FILE: