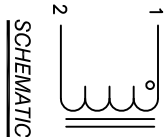
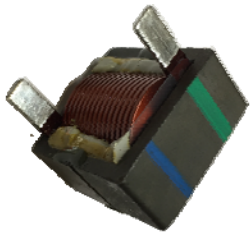


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REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
B		REVISED DIMENSIONAL TOLERANCES	KJC	11/25/09	AK	11/25/09
B1		UPDATED SPECIFICATIONS	SH	2/01/11	ULAU	2/01/11
C	130923	ADD ELECTRICAL CHANGE EPOXY, REMOVE PERMANENT MARKING	AK	9/23/13	BO	9/23/13
C1	130923	UPDATED DESCRIPTION AND ADDED DC BIAS	JL	7/13/17	ULAU	7/13/17
C2		REVISED SPEC. ON DIMENSIONS C1 & C2	IN	5/01/18	JL	5/01/18



7 BUILT TO ROHS COMPLIANCE

6 LABEL PART NUMBER AND REVISION WHERE SHOWN

5 VANISH PART AND CURE
APPLY SILICON WHERE SHOWN

4 WRAP TAPE AROUND CORES
WITH CORES AND MYLAR SPACERS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
CONSTRUCTION

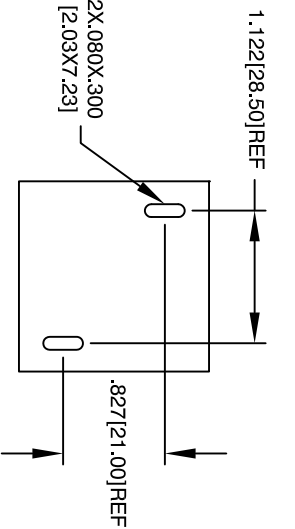
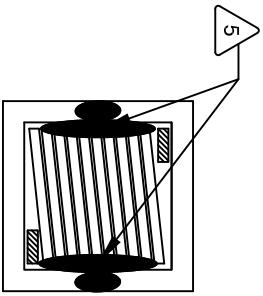
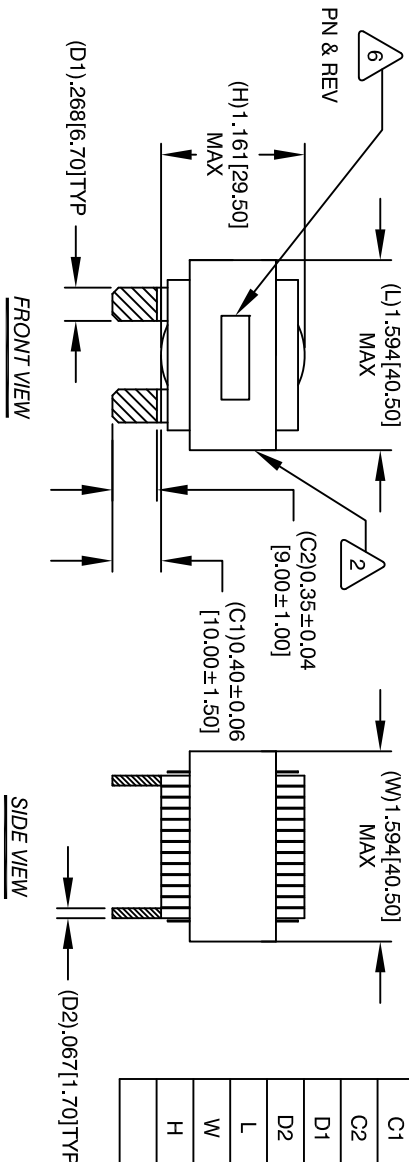
WEIGHT: 200 GRAMS
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C
HI-POT TEST FOR WINDING TO CORE ISOLATION, 1000VDC @ 2mA, 1 MIN
RATED CURRENT: 120 AMPS WITH FORCED AIRFLOW
INTERWINDING CAPACITANCE = 13.0 pF TYP @ SRF
|Z| = 3.0 KILO-OHMS (TYP) @ SRF
SRF=7.6 MHz (TYP)
DCR=2 MILLI-OHM MAX.
L = 30.0 uH ± 15% @ 10 KHz, 250mV, 0ADC

3 SPECIFICATIONS:

VANISH DOLPH BC-346A OR EQUAL
SILICON DOW CORNING RTV 3165 OR EQUAL
NOMEX SPACERS FOR SIDE AND CENTER LEG OF CORES
OUTER WRAP: 3M #69 GLASS CLOTH OR OR EQUAL
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED CORE

2 INSULATION CLASS 200°C REQUIRED
MATERIAL: UL RECOGNIZED FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
CAGE CODE: SDME2



DC-BIAS	L
0A	30 uH
10A	26.5 uH
20A	22.5 uH
30A	19 uH
40A	16 uH
50A	14 uH

BOTTOM VIEW

MOUNTING HOLES PATTERN

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			PARTS LIST	
	AUTOCAD SOLIDWORKS	X		
	DRAWN	BUN	6/06/07	
	CHKD	JLJU	6/06/07	
	ENGR.	KSUM	6/06/07	
	APPR.	JLJU	6/06/07	
UNLESS OTHERWISE SPECIFIED		TITLE: Inductor, High Current Helical		
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMETERS].		www.coilws.com 353 W. GROVE AVE ORANGE, CA 92665		
TOLERANCE INCHES: .XX=±.010 .X=±.020 .XXX=±.254 .XX=±.51		SIZE DWG. NO. E70340-013		
TOLERANCE METRICS: .XX=±.51		SCALE B		
ANGLE PROJECTION		SHEET 1 OF 1		
DO NOT SCALE DRAWING		REV C2		