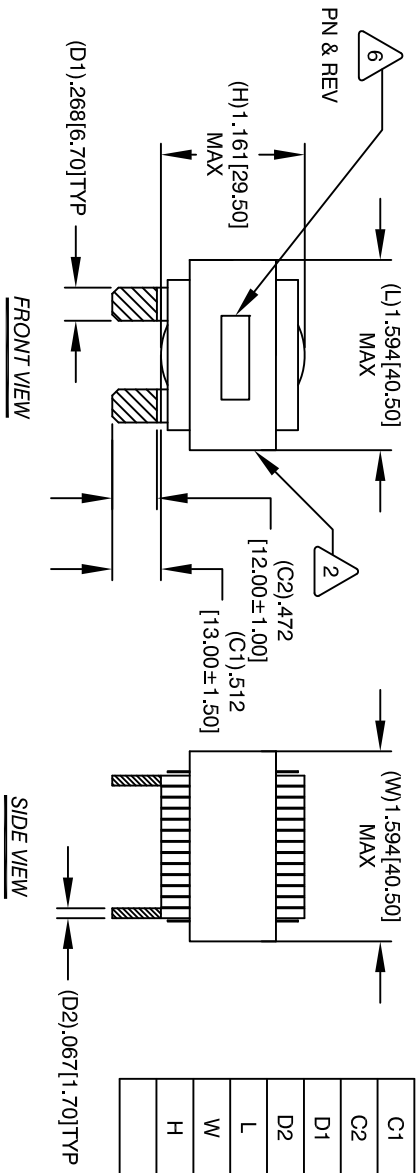
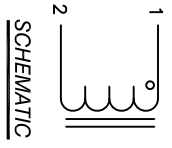
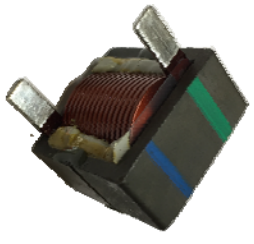


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**DIMENSION TOLERANCE(mm)**

C1	10.00±1.50
C2	12.00±1.00
D1	6.70 (TYP)
D2	1.68(TYP)
L	40.50 MAX
W	40.50 MAX
H	29.50 MAX

**MOUNTING HOLES PATTERN**

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

- 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
- 3 WEIGHT: 200 GRAM  
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 @ 10KHZ = 14.0 pF (TYP)  
|z|@SRF=1.60 KILO-OHM (TYP)  
SRF=7.5 MHz (TYP)  
DCR=2 MILLI-OHM MAX.  
L= 30.0 uH ± 15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS  
SPECIFICATIONS:

- 2 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

- 1 INSULATION CLASS 200°C REQUIRED  
MATERIAL: UL RECOGNIZED FOR FLAMMABILITY
- NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.  
CAGE CODE: SDME2

**REVISION HISTORY**

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	JLJU	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	JLJU	7/13/17
C2		UPDATED MECHANICAL SPEC.	IN	4/24/18	JL	4/24/18

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			<b>PARTS LIST</b>	
	AUTOCAD SOLIDWORKS SIGN	X		
	DATE			
DRWN	BUN	6/06/07		
ENGR	KSUM	6/06/07		
APPR	JLJU	6/06/07		
TITLE:		Inductor, High Current Helical		
SIZE:		30 uH, 120 Amps, Horizontal		
SCALE:		E70340-013		
SHEET		1 OF 1		