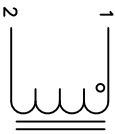
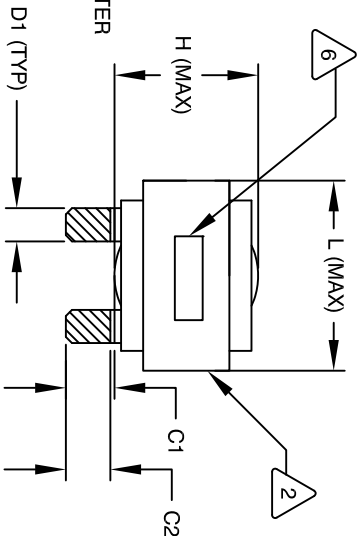


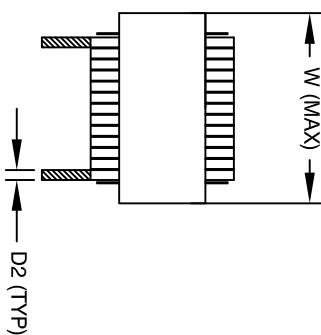
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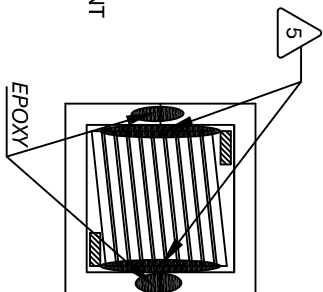
SCHEMATIC



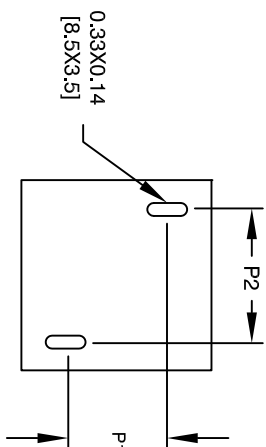
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
B		REVISED DIMENSIONAL TOLERANCE	BY: TN DATE: 06/06/18 CHK: JL DATE: 06/06/18
C		ADDED DC BIAS TABLE	BY: TN DATE: 03/02/21 CHK: JL DATE: 03/02/21

DIMENSIONAL TOLERANCE			
	mm	inch	
C1	13±1.50	0.51±0.06	
C2	12±1.50	0.47±0.06	
D1	7.6 (TYP)	0.29 (TYP)	
D2	2.6 (TYP)	0.10 (TYP)	
L	58.0 MAX	2.29 MAX	
W	58.0 MAX	2.29 MAX	
H	37.0 MAX	1.46 MAX	
P1	27.60 TYP	1.09 TYP	
P2	34.40 TYP	1.35 TYP	

DC BIAS TABLE	
DC BIAS (AMP)	L@10KHz (REF)
0	26uH
10	26uH
20	25uH
30	25uH
40	24uH
50	22uH
60	21uH
70	20uH
80	18uH
90	17uH
100	16uH
120	16uH
140	13uH
160	12uH

- APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER
- BUILT TO ROHS COMPLIANCE
- MARK PART NUMBER AND REVISION WHERE SHOWN
- VARNISH PART AND CURE
- APPLY SILICON WHERE SHOWN
- WRAP TAPE AROUND CORES
- ASSEMBLE PRE FORMED FLAT HELICAL COIL
- CONSTRUCTION

WEIGHT: 505.0 GRAM (TYP)
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 85°C AT 55°C AMBIENT
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ 10KHz = 16 pF (TYP)
|Z|@SRF=2 KILO-OHM (TYP)
SRF=8.0 MHZ (TYP)
RATED CURRENT: 160 AMPS
DCR= 1.10 MILLIOHM MAX.
L @ DC BIAS: SEE TABLE ON THE RIGHT
L= 26 uH NOM. ±15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
SPECIFICATIONS:

- WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
- CORE: COMPACTED POWDERED CORE

- INSULATION CLASS 200°C REQUIRED
- MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CAGE CODE: 5DME2

QTY		CODE	MFG. P/N	DESCRIPTION	ITEM NO.
		IDENT			
PARTS LIST					
AUTOCAD		X	www.coliws.com 353 W GROVE AVE ORANGE, CA 92665		
SOLIDWORKS					
SIGN		DATE			
DRAWN		AK	5/26/13	TITLE: High Current Helical Inductor	
DESIGNED		JM	5/26/13	26 uH, 160 Amps, Horizontal	
ENGR.		KC	5/26/13		
APPR.		BO	5/26/13		
SIZE		SIZE DIMS. NO.			
B		EKS5246-260M-160AH			
SCALE		NOT_TO_SCALE			
SHEET		1 OF		1	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 .X=±.030	
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 .X=±.030	
ANGLE PROJECTION 	
DO NOT SCALE DRAWING	

TITLE: High Current Helical Inductor
26 uH, 160 Amps, Horizontal

www.coilws.com
353 W. GROVE AVE
ORANGE, CA 92665

Coil Winding Specialist, Inc.

SIZE	DWG. NO.	REV
B	EK55246-260M-160AH	C
SCALE	NOT TO SCALE	SHEET 1 OF 1