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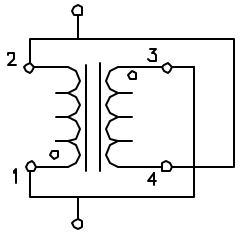
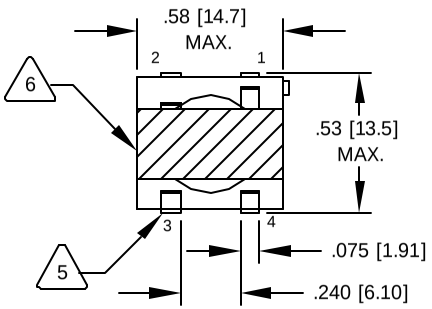
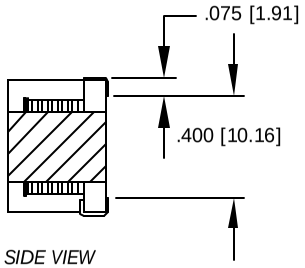
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRE-PRODUCTION RELEASE	TDK	5/07/03	JLAU	5/08/03



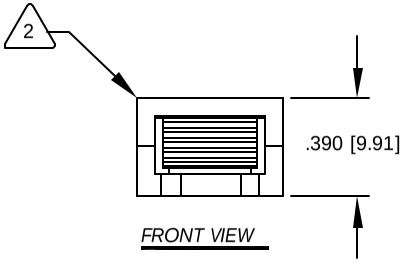
SCHEMATIC



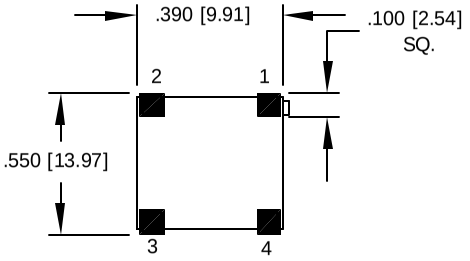
TOP VIEW



SIDE VIEW



FRONT VIEW



FOOT PRINT

WHERE SHOWN, USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION IN APPROX
OVER CORES, (PER NOTE 2)
6 APPLY EPOXY ON MATING SURFACES AND WRAP TAPE

MUST REST FLAT ON PCB).
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
5 REMOVE INSULATION AND TIN SELF SMT LEADS

EVENLY SPACED
WIND USING FLAT HELICAL COIL ONTO BOBBIN
4 CONSTRUCTION:

TO INSURE INTERGRITY OF WINDING INSULATION
HI-POT TEST FOR WINDING TO CORE ISOLATION, 1000VDC
DCR = MEASURED AT 4 MILLI-OHMS, USING QUADTECH 2200
L = MEASURED AT 3 uH ± 20%, NO BIAS. 2uH @ 12A. PARALLEL
3 SPECIFICATIONS:

EPOXY: UNIBOND OR CWS APPROVED PART
OUTER WRAP: 3M OR OTHER CWS APPROVED PART
WIRE: UL RECOGNIZED 200° RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
2 CORE: SENDUST CORE, 90 PERMEABILITY

BOBBIN RATING CLASS B (130°C) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED.

QTY	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 [MILLIMETERS].
TOLERANCE INCHES:
.XXX=±.010 .XX=±.015 <=±0°30'
TOLERANCE METRICS:
.XXX=±.254 .XX=±.38 <=±0°30'
ANGLE PROJECTION
DO NOT SCALE DRAWING

	X
AUTOCAD	
SOLIDWORKS	

SIGN		DATE
DRAWN	TDK	5/7/03
CHECK	JLAU	5/08/03
ENGR.	KSUN	6/08/03
APPR.	JLAU	5/08/03

COILWS COM, INC
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CWS Coil Winding Specialist.
1510 E. Edinger Ave.
Unit B. Santa Ana, CA. 92705

TITLE: Helical Wound Surface Mount Inductor

SIZE B | DWG. NO. CWS-12A02 | REV A

SCALE 2=1 | SHEET 1 OF 1

CAD-FILE: