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REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B		PRODUCTION RELEASE	RPR	2/23/05	JLAU	2/23/05
B1		UPDATED SPECIFICATIONS	GN	2/01/11	JLAU	2/01/11
C		ELECTRICAL SPEC. CHANGE	GN	9/20/11	JLAU	9/20/11
D		ELEC. AND MECH. SPEC. CHANGE	GN	10/26/11	JLAU	10/26/11

5 BUILT TO RoHS COMPLIANCE AND LEAD FREE

WHERE SHOWN, USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION APPROX
OVER CORES, (PER NOTE 2)

△6 APPLY EPOXY ON MATINGS SURFACES AND WRAP TAPE

FLUSH TO THE COIL EDGE, AS SHOWN

5 REMOVE INSULATION AND TIN LEADS

PRE FORMED FLAT HELICAL COIL, HELIX WOULD EVENLY SPACED

4 CONSTRUCTION:
WEIGHT = 210 GRAMS
OPERATING TEMPERATURE: -40°C TO 85°C, AT 55°C AMBIENT
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC
RATED CURRENT: 150 AMPS
INTERWINDING CAPACITANCE @10 KHz = 15.21 pF TYP
IMPEDANCE @ SRF = 4 KOHMs
SRF = 8 MHz
DCR= 2.0 mOHM MAX.
L= 20.0 uH (Typ) AT 25AMPS DC BIAS
L= 25.0 uH ± 10%., MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS

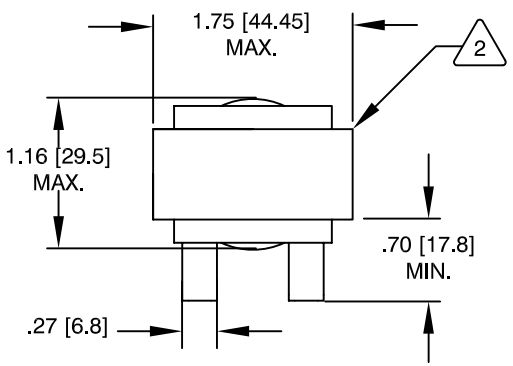
3 SPECIFICATIONS:

VARNISHED WITH DOLPH
EPOXY: UNIBOND OR CWS APPROVED PART
OUTER WRAP: 3M GLASS CLOTH
△2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: SENDUST/KOOL MU

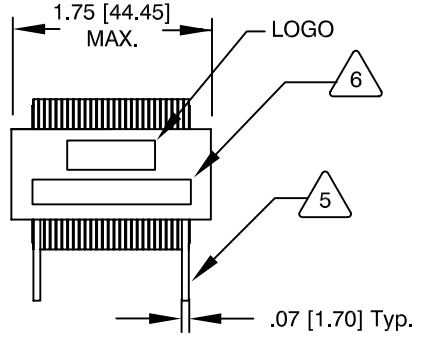
INSULATION CLASS 200°C REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

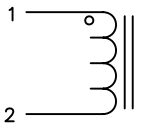
NOTES: UNLESS OTHERWISE SPECIFIED.READ FROM BOTTOM UP.
CAGE CODE: 5DME2



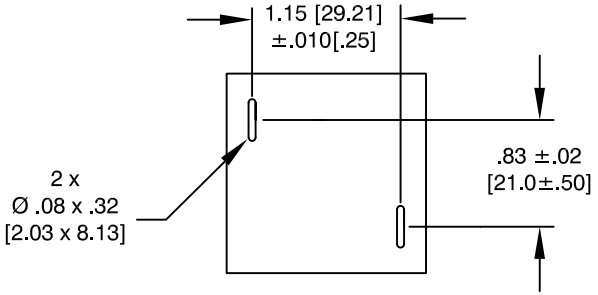
FRONT VIEW



SIDE VIEW



SCHEMATIC



MOUNTING HOLES PATTERN

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

UNLESS OTHERWISE SPECIFIED			
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		SIGN	DATE
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].	DRAWN	RPR	2/23/05
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 ∠=±0°30'	CHECKED	JLAU	2/23/05
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 ∠=±0°30'	ENGR.	KSUM	2/23/05
ANGLE PROJECTION	APPR.	JLAU	2/23/05
DO NOT SCALE DRAWING			

AUTOCAD	X
SOLIDWORKS	

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Orange, CA 92865

TITLE: Helical Output Inductors 150 Amps

SIZE	DWG. NO.	REV
B	E70340-014	D

SCALE NOT_TO_SCALE SHEET 1 OF 1

CAD-FILE: