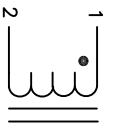
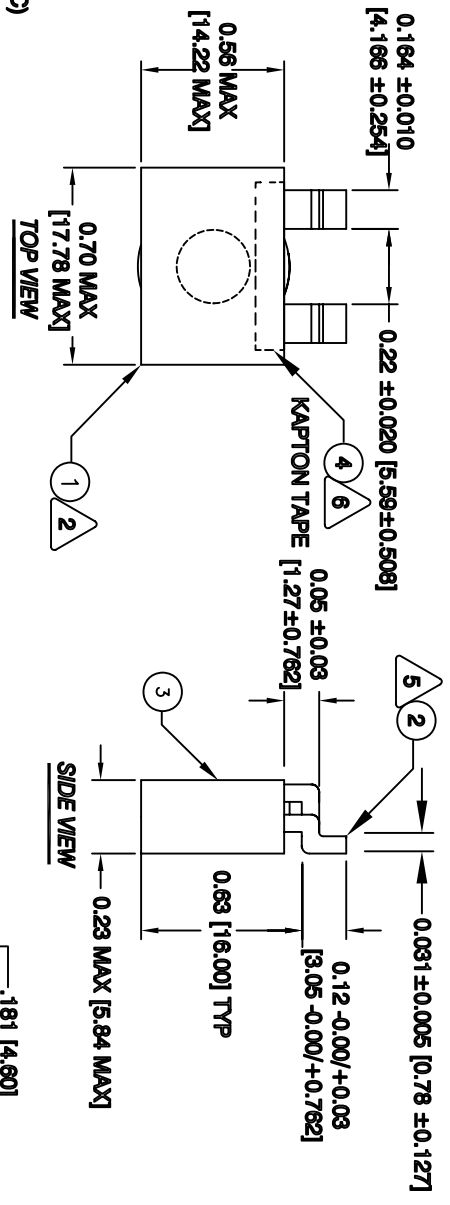


The information contained in this drawing is the sole property of CWS Coil Winding Specialist. Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



SCHEMATIC

- 7 BUILT TO ROHS COMPLIANCE AND LEAD FREE
WHERE SHOWN, USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION
BOTTOM CORE LOCATED AS SHOWN
 - 6 APPLY ONE KAPTON TAPE TO COVER THE EDGES OF
THE SMT LEADS MUST REST FLAT ON PCB, CO-PLANAR
APPLY WINDING AND CORE WITH EPOXY 2 PART A&B (600°F, 315°C)
 - 5 REMOVE INSULATION AND TIN LEADS APPROX. 0.12 INCH
 - 4 HELIX WIND 3-3/4 TURNS TIGHT TO CORE AND EVENLY SPACED
CONSTRUCTION:
HI-POT (2 SECOND, 5mA MAX.) 300 VRMS WINDING TO CORE
DCR = 1.1 MILLI-OHM, MAX.
CURRENT RATING = 50 AMPS DC, MAX
L = 1.2uH ± 15%, 100 KHZ, 0.250 Vrms, 0 AMPS DC
SPECIFICATIONS:
 - 3 EPOXY: 2 PARTS A & B (600°F, 315°C)
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE, JIS C3102
CWS BYEMARK OR OTHER APPROVED PART,
CORE: HIGH FLUX
 - 2 HELICAL COIL RATING 200°C REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
- NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.



REVISION HISTORY		SIGN & DATE	
REV	ECN	BY	DATE
B		RRR	4/19/05
C		GN	8/21/09

DESCRIPTION	CHK	DATE
PRODUCTION RELEASE	JLJU	4/19/05
CHANGE IN DIMENSIONS, NOTES	AM	8/21/09

A/R	QTY	UM	CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
1	EA	CWS				EPOXY 2 PARTS A&B (600°F, 315°C)	5
1	EA	CWS				KAPTON TAPE, 0.25 Wk .42	4
1	EA	CWS				BLK, KAPTON TAPE, 0.375"W x 2.0"	3
2	EA	CWS				RIBBON WIRE	2
2	EA	CWS				HIGH FLUX CORE	1

UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [UNITS IN PARENTS]
 TOLERANCE INCHES: ϕ = ±0.030
 .XXX = ±.005 .XX = ±.015
 TOLERANCE METRICS: ϕ = ±0.30
 .XXX = ±.127 .XX = ±.38
 ANGLE PROJECTION DO NOT SCALE DRAWING

AUTOCAD SOLIDWORKS X
 SIGN DATE
 DRWNN RPR 4/19/05
 DRXDD JLJU 4/19/05
 ENGR KSUM 4/19/05
 APPR JLJU 4/19/05

TITLE: **50 Amps Output Choke**

SIZE DWG. NO. CWS-5294A
 SCALE 4=1

©**COLL WWS** *Coil Winding Specialist, Inc.*
 WWW.COLLWWS.COM 353 W. Grove Avenue
 Orange, CA 92665

REVISION HISTORY

REVISION HISTORY