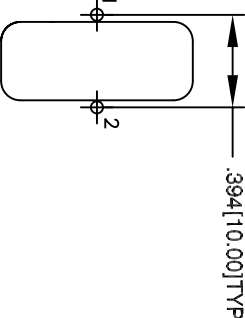
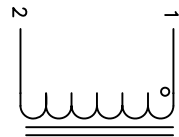
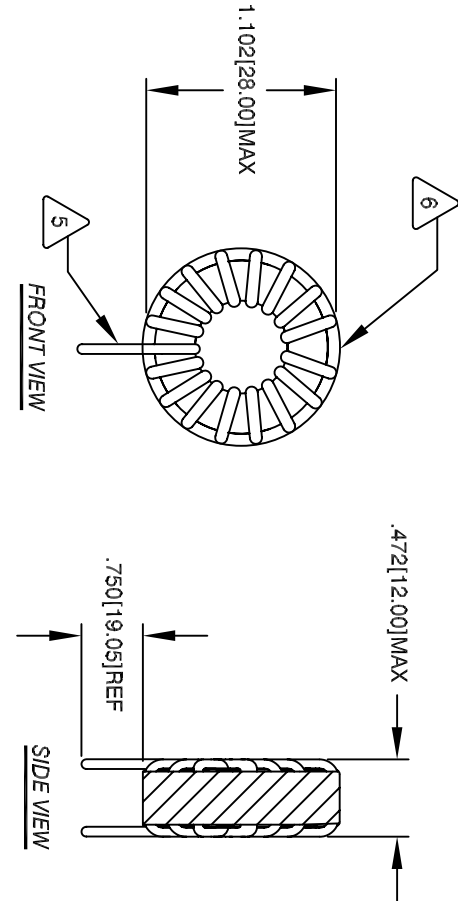


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(VERTICAL MOUNT)  
PN: TC-820M-5A-94V

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK
A		INITIAL DESIGN	KLC	5/12/09	AM
				5/12/09	



- 7 BUILD TO ROHS COMPLIANCE
- WHERE APPLICABLE  
MARK PART NUMBER, REVISION, DATE CODE ON PART  
WRAP PART WITH TWO LAYER OF 3M #1350 OR EQUAL
- 5 TO THE CORE  
MUST REST FLAT ON PCB. LEADS MUST BE TANGENT  
FLUSH WITH THE COIL EDGE. AS SHOWN (I.E. COIL  
REMOVE INSULATION AND TIN LEADS 0.75 INCH
- 4 WIND COILS EVENLY SPACED AROUND THE CORE  
CONSTRUCTION:  
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC MIN  
CURRENT RATING : 5.0 AMPS, 40 °C TEMP. RISE, NO AIR FLOW  
DCR = 35 MILLI-OHMS MAX.  
INDUCTANCE AT 5 AMP = 45 UH  
INDUCTANCE = 82.0 UH ±20% @ LOW DC BIAS, 1 KHz, 250mV  
SPECIFICATIONS:
- 3

WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE  
CWS BYTEMARK OR OTHER APPROVED PART  
CORE: FERRITE/POWDERED/IRON TOROIDAL CORE

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

NOTES: TOROIDAL POWER CHOKE. ALL DIMENSIONS IN INCHES[MM]

AUTOCAD		X		TITLE:		SIZE		SCALE		SHEET	
SOLIDWORKS		SIGN		DATE		DRAWN		CHKD		APPR.	
SIGN		DATE		DRAWN		CHKD		APPR.		REV	
KLC		5/12/09		AM		5/12/09		KLC		A	
UNLESS OTHERWISE SPECIFIED		TOLERANCE PER ANSI Y14.5M		ALL DIMENSIONS ARE IN INCHES		TOLERANCE INCHES:		TOLERANCE METRICS:		ANGLE PROJECTION	
KLC		5/12/09		AM		.XXX=±.005 .XX=±.015		.XXX=±.005 .XX=±.015		DO NOT SCALE DRAWING	
KLC		5/12/09		AM		.XXX=±.127 .XX=±.38		.XXX=±.127 .XX=±.38		2=1	
KLC		5/12/09		AM		B		B		1 OF 1	

CWS Coil Winding Specialist.  
353 W Grove Ave  
Orange, CA 92865

Power Toroidal Inductor  
82 uH, 5.0 Amp, Vertical

TC-820M-5.0A-94V