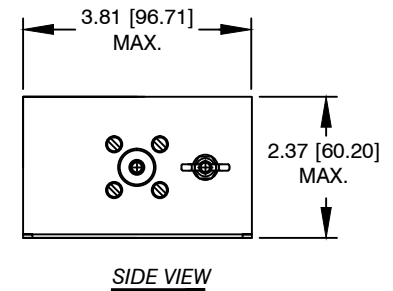
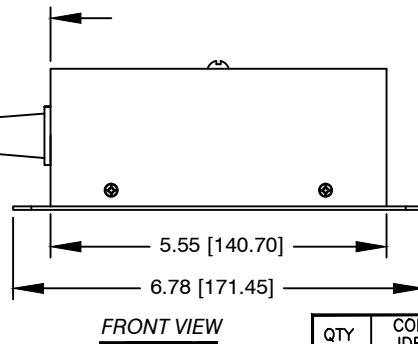
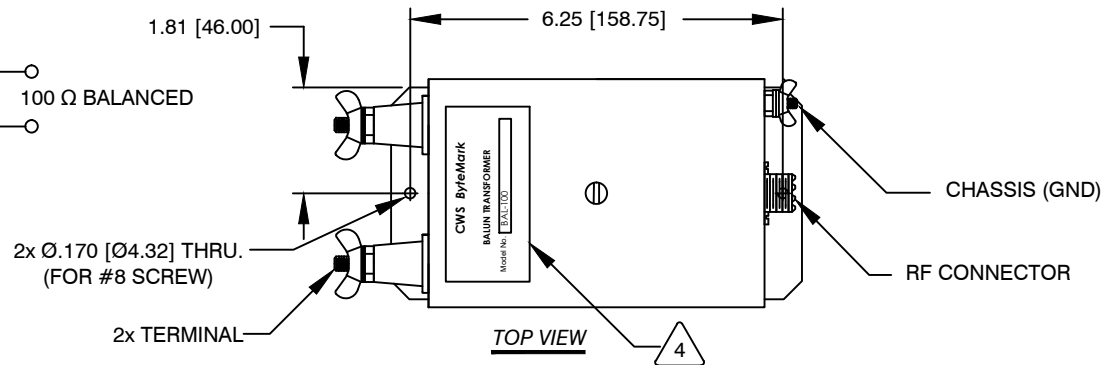
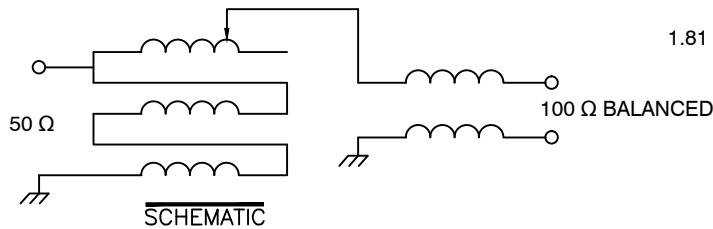


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REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
C		UPDATED AND ROHS COMPLIANT	RJL	2/05/11	JLAU	2/05/11
D		UPDATED APPLICATION DESCRIPTION	EO	8/05/13	JLAU	8/05/13



6 BUILT TO ROHS COMPLIANCE

WAVELENGTH ABOVE GROUND.
AND 1/2 WAVE DIPOLES AT 0.22 and 0.33
INPUT IMPEDANCE CLOSE TO 100 Ω
FOR QUAD LOOP ANTENNAS AT RESONANCE

5

APPLICATIONS:

WHERE SHOWN
MARK PART NUMBER AND REVISION

EFFICIENCY = 98%
POWER RATING: 1 KW CONTINUOUS, 2 KW PEAK.
FREQUENCY RANGE: 1.0 MHZ TO 30 MHZ
TO BALANCED OUTPUT: 100 Ω, CERAMIC FEED THROUGH POSTS
UNBALANCED CO-AXIAL INPUT: 50 Ω SO239
IMPEDANCE MATCH RATIO: 1:2

3

SPECIFICATIONS:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: COATED FERRITE TOROID, K MATERIAL
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ TEXT FROM BOTTOM UP.

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD	X		www.coilws.com sales@coilws.com	Coil Winding Specialist Inc. 353 West Grove Avenue Orange, CA 92865, USA
SOLIDWORKS				
DRAWN	TDK	2/07/06	TITLE: Transmission Line Transformer Balun Transformer 50 Ω : 100 Ω	
CHECKED	JLAU	2/07/06		
ENGR.	KSUM	2/07/06		
APPR.	JLAU	2/07/06		
SIZE	DWG. NO.	B BAL-100		REV D
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 \sphericalangle=±0°30'	
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 \sphericalangle=±0°30'	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	