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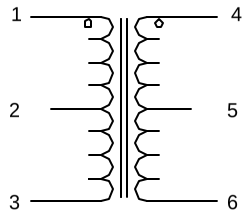
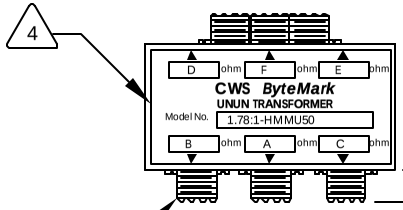
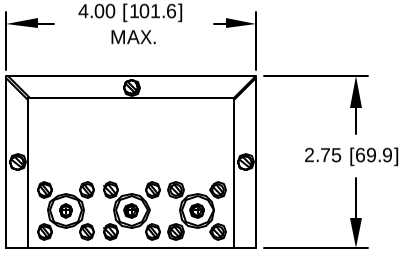
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	8/25/04	JLAU	8/25/04



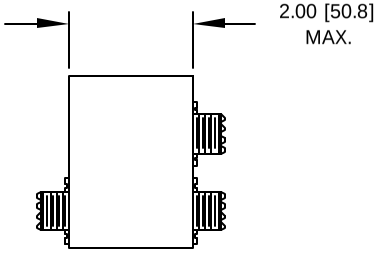
SCHEMATIC



TOP VIEW



FRONT VIEW



SIDE VIEW

5 TRANSCEIVER MULTI-MATCHING APPLICATIONS:

4 WHERE SHOWN MARK PART NUMBER AND REVISION

POWER RATING: 1 KW CONTINUOUS, 2 KW PEAK.
FREQUENCY RANGE: 1 MHZ TO 45 MHZ
TO UNBALANCED OUTPUT: 28.13 OHMS SO239
UNBALANCED CO-AXIAL INPUT: 50 OHMS SO239

50 O : 36.76 O (1.36:1) CONNECT COAXIAL A(36.76 O) TO COAXIAL F (50 O)
50 O : 28.13 O (1.78:1) CONNECT COAXIAL A(28.13 O) TO COAXIAL D (50 O)
50 O : 22.22 O (2.25:1) CONNECT COAXIAL B(22.22 O) TO COAXIAL E (50 O)
50 O : 16.34 O (3.06:1) CONNECT COAXIAL B(16.34 O) TO COAXIAL F (50 O)
50 O : 12.5 O (4:1) CONNECT COAXIAL B(12.5 O) TO COAXIAL D (50 O)
50 O : 5.56 O (9:1) CONNECT COAXIAL C(5.56 O) TO COAXIAL E (50 O)
50 O : 4.08 O (12.25:1) CONNECT COAXIAL C(4.08 O) TO COAXIAL F (50 O)
50 O : 3.13 O (16:1) CONNECT COAXIAL C(3.13 O) TO COAXIAL D (50 O)
IMPEDANCE MATCH RATIO:

3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: COATED FERRITE TOROID, K MATERIAL

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=±.020 <±0°30'
TOLERANCE METRICS:
.XXX=±.254 .XX=±.51 <±0°30'
ANGLE PROJECTION
DO NOT SCALE DRAWING

	X
AUTOCAD	
SOLIDWORKS	

SIGN		DATE
DRAWN	TDK	8/25/04
CHECKED	JLAU	8/25/04
ENGR.	KSUM	8/25/04
APPR.	JLAU	8/25/04

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

TITLE: Multi-Match Unun Transformer 50 O to 8 RATIOS

SIZE B | DWG. NO. 1.78:1-HMMU50 | REV A

SCALE 2=1 | SHEET 1 OF 1

CAD-FILE: