Surface Mount **RF Transforme**

ADTL2-18+ ADTL2-18

30 to 1800 MHz

CASE STYLE: CD542

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any	of these limits are exceeded

Pin Connections

PRIMARY DOT	COM 1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
NOT USED	2,5

Features

- wideband, 30 to 1800 MHz
- balanced transmission line
- excellent amplitude unbalance, 0.3 dB typ. and phase unbalance, 3 deg. typ. in 1dB bandwidth
- · aqueous washable
- protected under US patent 6,133,525

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

PRIMARY DOT	- 1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
NOT USED	2,5

Applications

- baluns
- wideband impedance matching
- cellular
- PCN
- GPS

Transformer Electrical Specifications

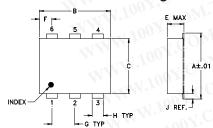
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSE	INSERTION LOSS*		PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
	NW. Too N.C.	3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
2	30-1800	30-1800	- 1 T	100-1500	3	<u>-</u> 37 (0.3	-XXI

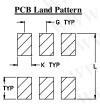
^{*} Insertion Loss is referenced to mid-band loss, 0.6 dB typ.

特力材料886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

Http://www. 100y. com. tw

Outline Drawing





Suggested Layout. Tolerance to be within ±.002

Typical Performance Data

	AA . AAMI D.			1110 - 1
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
30.00	0.73	10.06	1.07	5.86
50.00	0.73	10.01	0.95	3.68
100.00	0.74	9.96	0.85	1.64
500.00	0.64	11.73	0.64	2.41
1000.00	0.76	13.14	0.25	3.74
1500.00	1.00	14.50	0.18	1.90
1550.00	1.06	14.22	0.22	1.55
1600.00	1.16	13.58	0.24	1.24
1700.00	1.43	11.56	0.30	0.50
1800.00	1.85	9.44	0.34	0.29

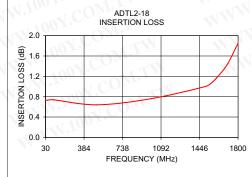
Outline Dimensions (inch)

3		F	E	D	С	В	Α
0	.10	.055	.112	.100	.220	.310	.272
4	2.5	1.40	2.84	2.54	5.59	7.87	6.91
vt	W			L	K	J	Н
s	gram			.300	.065	.026	.030
Λ	0.2			7.62	1.65	0.66	0.76

Demo Board MCL P/N: TB-94

Config. G







For detailed performance specs

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicipality.com

^{**} Deviation from 180°