



DESIGNER'S KIT K1-ADTL+

Transformers

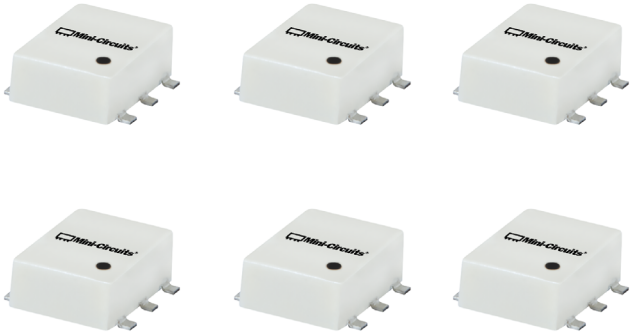
50Ω & 75Ω 0.50 to 1800 MHz

Mini-Circuits

FEATURES

- Very wide bandwidth
- Balanced transmission line
- Excellent amplitude & phase unbalance
- Aqueous washable
- Low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K1-ADTL+ ELECTRICAL SPECIFICATIONS

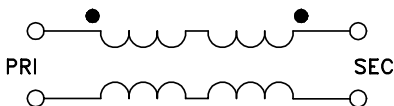
(5 models, 10 of each, 50 total)

Model	Ω Ratio	Frequency (MHz)	Insertion Loss*			Configuration
			3dB MHz	2dB MHz	1dB MHz	
ADTL1-12+	1	20-1200	—	20-1200	50-1000	G
ADTL1-18-75+	1	5-1800	—	5-1800	25-1200	G
ADTL1-4-75+	1	0.50-1000	0.50-1000	1-600	5-400	G
ADTL1-15-75+	1	10-1500	—	10-1500	30-1000	K
ADTL2-18+	2	30-1800	30-1800	—	100-1500	G

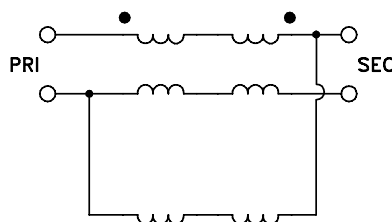
*Insertion loss is referenced to mid-band loss.
Protected under U.S. Patent 6,133,525

CONFIGURATIONS

G



K



REV. A
ECO-009388
M108658
K1-ADTL+
210823

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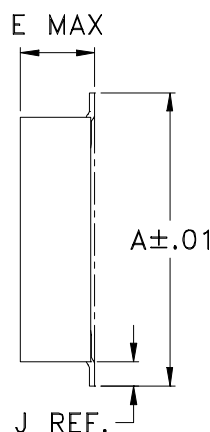
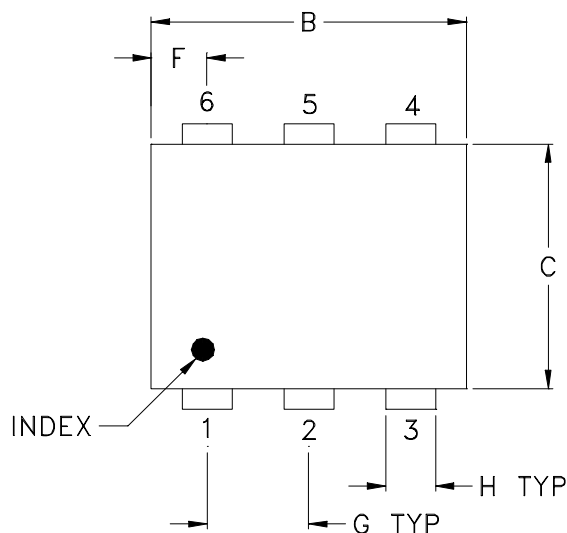
www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

Case Style

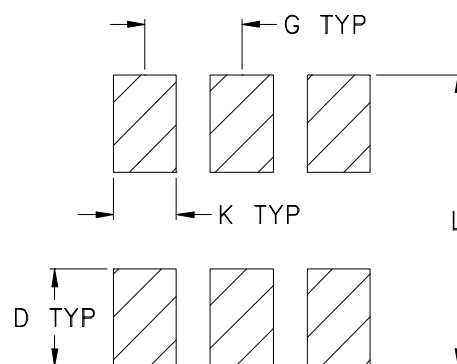
CD

CD541
CD542
CD636
CD637

Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE#	A	B	C	D	E	F	G	H	J	K	L	WT, GRAM
CD541					.082 (2.08)							.15
CD542	.272 (6.91)	.310 (7.87)	.220 (5.58)	.100 (2.54)	.112 (2.84)	.055 (1.40)	.100 (2.54)	.030 (0.76)	.026 (0.66)	.065 (1.65)	.300 (7.62)	.20
CD636					.162 (4.11)							.25
CD637					.206 (5.23)							.40

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

- Case material: Plastic.
- Termination finish:
 - For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
 - For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.

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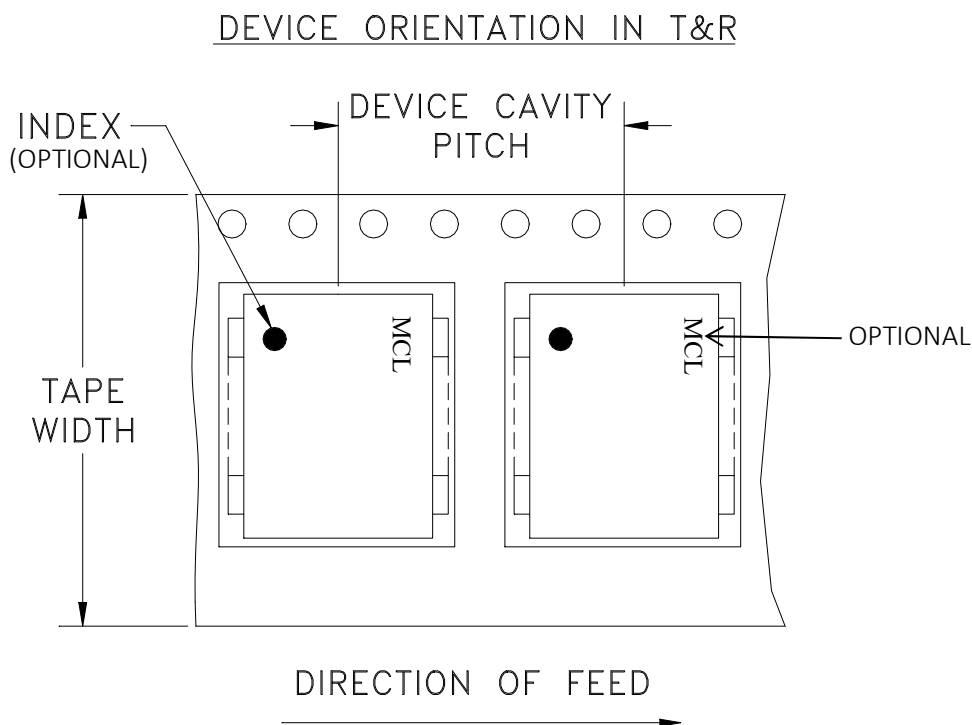
INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

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Mini-Circuits ISO 9001 & ISO 14001 Certified

Tape & Reel Packaging TR-F34



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel see note	
16	12	7	Small quantity standard (see note)	20
				50
				100
				200
		13	Standard	500
				1000

Note: Availability of small reel quantity varies by model.
Refer to pricing and availability on individual model dashboard.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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