



Mini-Circuits

DESIGNER'S KIT K-ADT-1+

Transformers

50Ω 0.15 to 775MHz

FEATURES

- Broadband, 50Ω
- Impedance ratios from 1:1 up to 1:9
- Very good return loss
- Excellent amplitude & phase unbalance
- Input power 0.25W max.
- Rugged plastic case
- Aqueous washable
- Low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K-ADT-1+ ELECTRICAL SPECIFICATIONS

(5 models, 2 of each, 10 total)

Model	Ω Ratio	Frequency (MHz)	Insertion Loss*			Phase Unbalance (Degrees) Typ.		Amplitude Unbalance (dB)	
			3dB MHz	2dB MHz	1dB MHz	1dB bandwidth	2 dB bandwidth	1dB bandwidth	2 dB bandwidth
ADT1-1+	1	0.15-400	0.15-400	0.2-200	0.3-100	2	5	0.1	0.5
ADT2-1T+	2	0.4-450	0.4-450	0.6-400	1-200	1	1	0.2	0.3
ADT3-1T+	3	1-500	—	1-500	2-300	1	3	0.1	0.5
ADT4-1WT+	4	2-775	2-775	3-600	6-250	1	3	0.1	0.3
ADT9-1T+	9	1-250	—	1-250	2-150	1	1	0.5	0.2

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

REV. A
ECO-009388
M105232
K-ADT-1+
210824

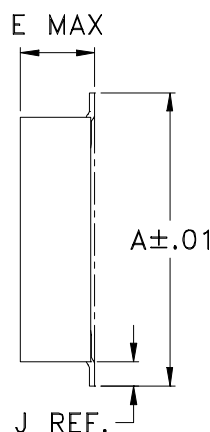
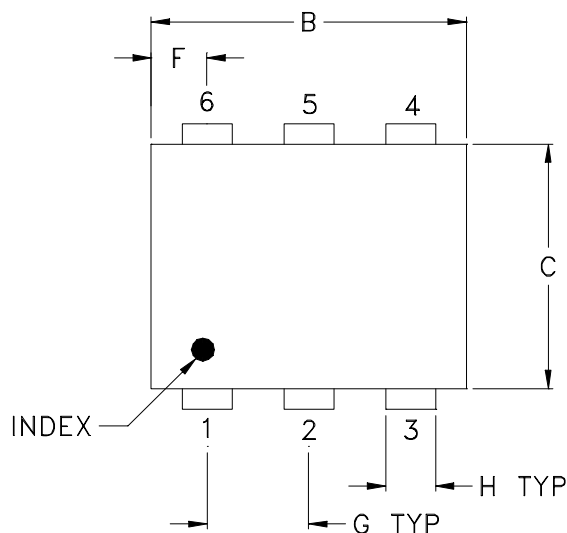


Case Style

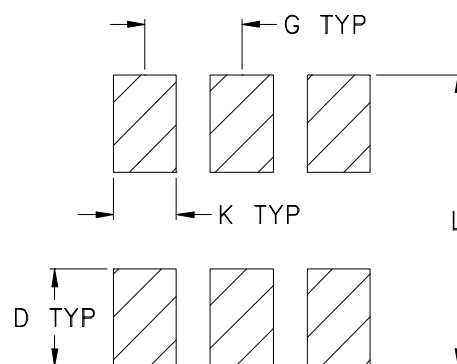
CD

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.

Mini-Circuits®

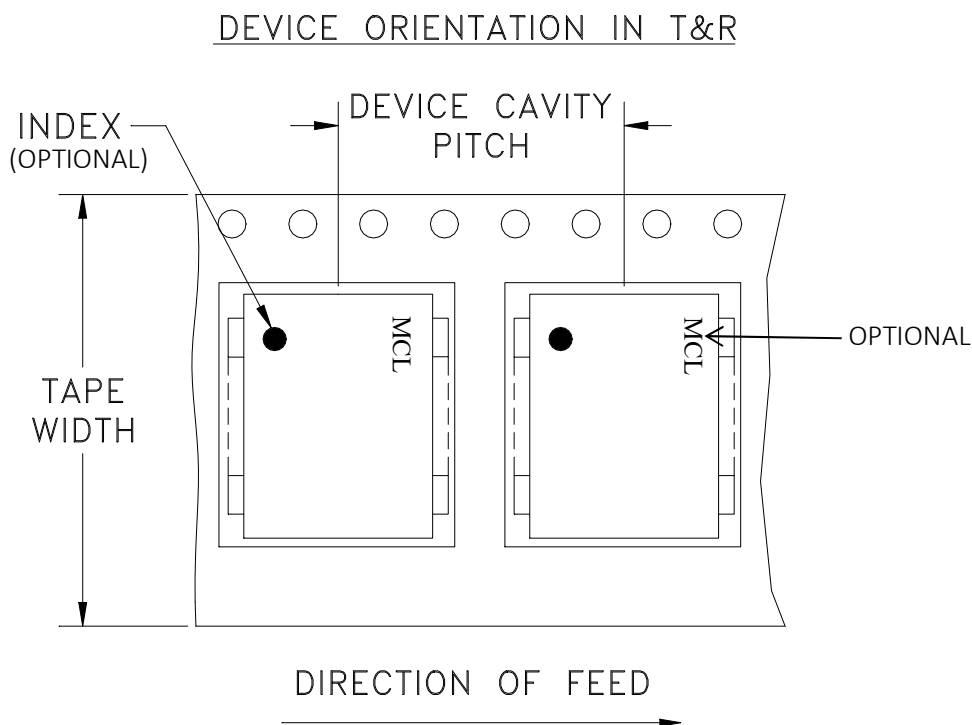
INTERNET <http://www.minicircuits.com>

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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