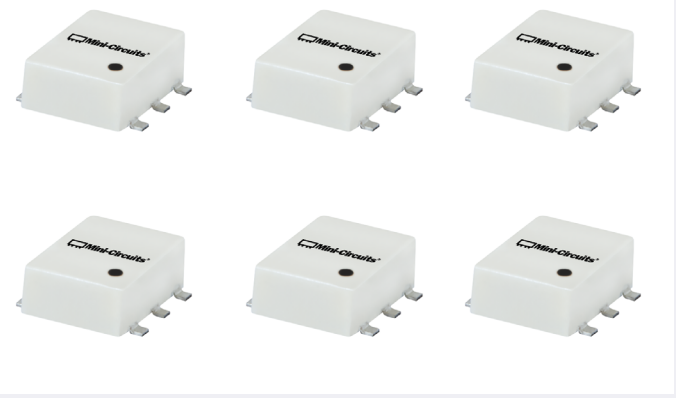
DESIGNER'S KIT K-ADT-1+

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

RoHS COMPLIANT

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.

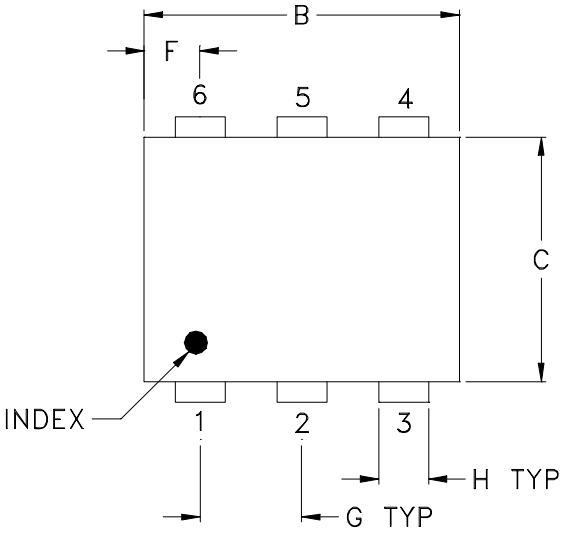
Protected under U.S. Patent 6,133,525

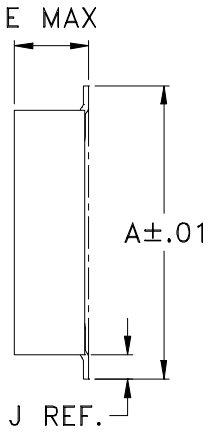
REV. A
ECO-009388
M105232
K-ADT-1+
210824

Case Style CD

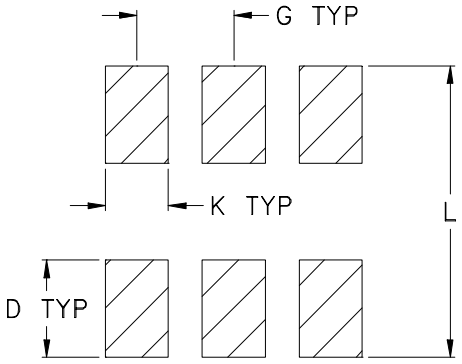
CD541
CD542
CD636
CD637

Outline Dimensions





PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

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

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

Notes:

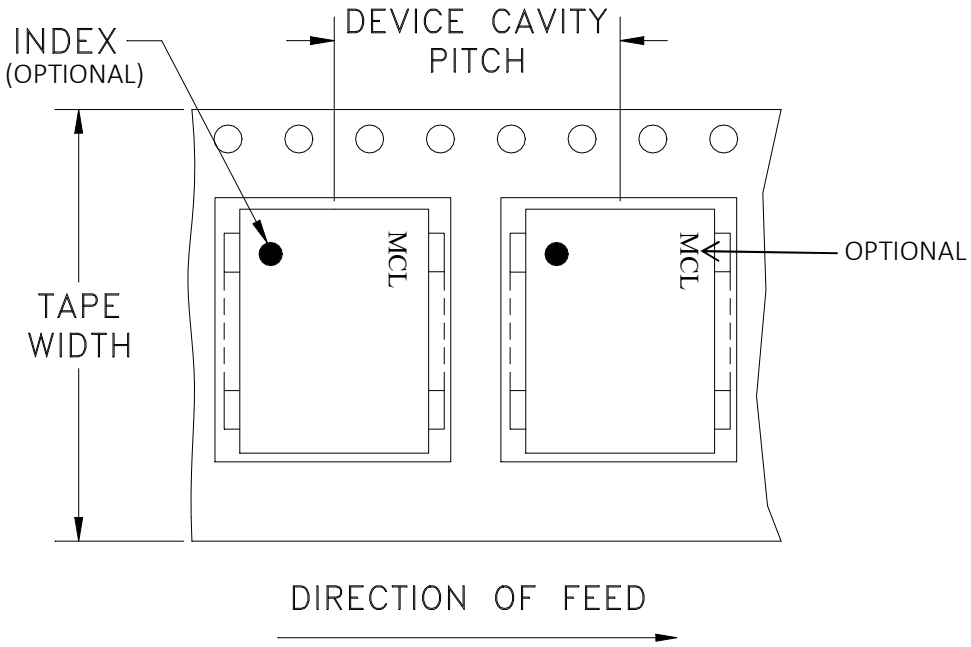
1. Case material: Plastic.
2. Termination finish:
   For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
   For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.

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Tape & Reel Packaging TR-F34

DEVICE ORIENTATION IN T&R



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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