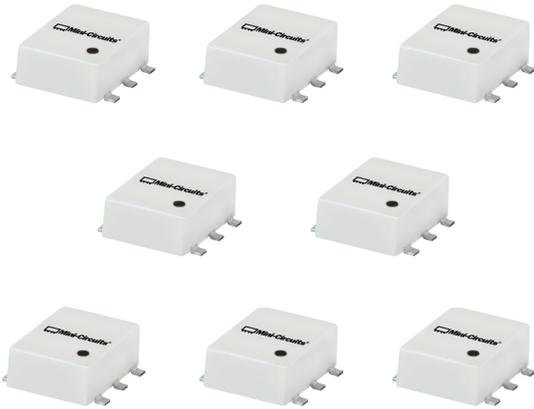




DESIGNER'S KIT K1-ADE+

Frequency Mixers

50Ω 2 to 4000 MHz



FEATURES

- Wide bandwidth
- Low conversion loss, 6 dB
- High L-R isolation, up to 60 dB typ.
- Large selection of models, LO level 3, 4, 7, 13, 17
- Low profile, 0.11"
- Very low cost

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K1-ADE+ ELECTRICAL SPECIFICATIONS

(8 models, 5 of each, 40 total)

Model	LO level (dBm)	Frequency (MHz)		Conversion Loss (dB)			RF In @ 1 dB Compr. (dBm)	IP3 (dBm)	LO-RF Isolation (dB)	LO-IF Isolation (dB)
		LO/RF	IF	Typ.	ó	Max.				
ADE-1L+	3.0	2-500	DC-500	5.2	0.1	8.0	0	16	55	45
ADEX-10L+	4.0	10-1000	DC-800	7.2	0.1	8.8	1.0	16	60	33
ADE-2+	7.0	5.0-1000	DC-1000	6.67	0.26	9.5	1.0	20	47	45
ADE-18W+	7.0	1750-3500	DC-700	5.4	0.30	8.9	1.0	11	33	12
ADE-30W+	7.0	300-4000	DC-950	6.8	0.20	9.8	1.0	12	35	16
ADE-35MH+	13	5.0-3500	5.0-2500	6.9	0.10	10.5	9	18	33	28
ADE-17H+	17	100-1700	50-1500	7.2	0.10	9.5	14	25	35	32
ADEX-10H+	17	10-1000	DC-800	7.0	0.10	9.5	14	22	55	32

Protected under U.S. Patent 6,133,525 ADEX models additional U.S. Patent 6, 947, 717

REV. A
ECO-009343
K1-ADE+
MCL NY
210820

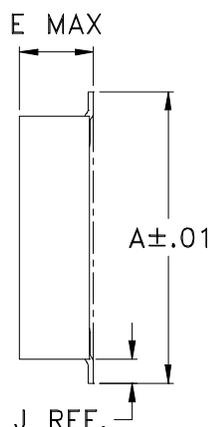
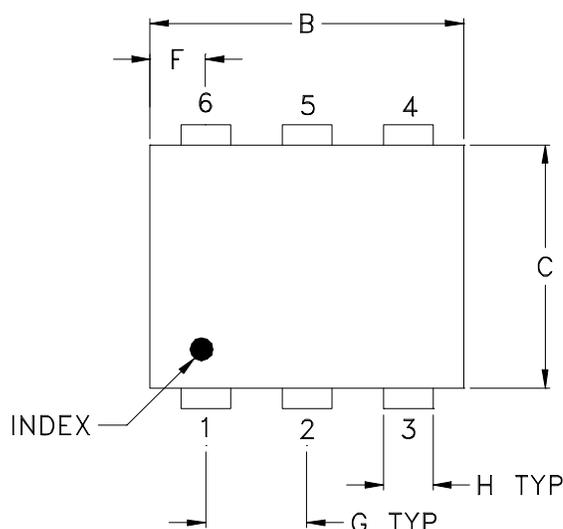


Case Style

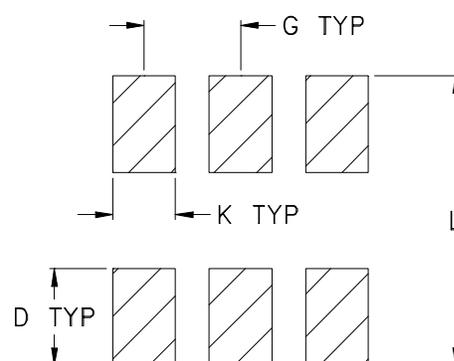
CD

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

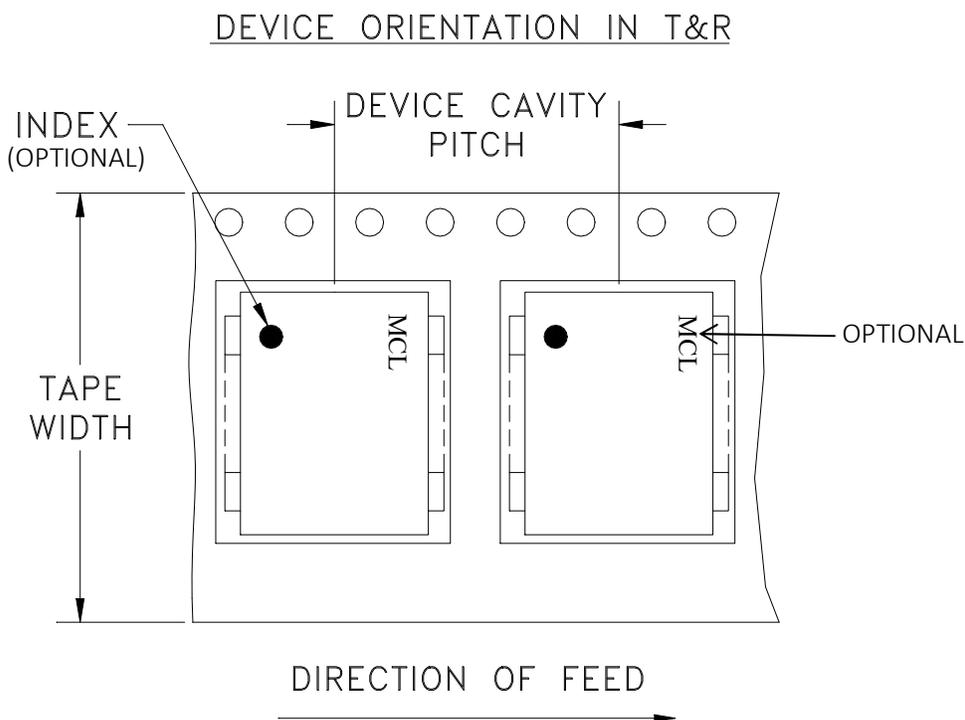
INTERNET <http://www.minicircuits.com>

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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