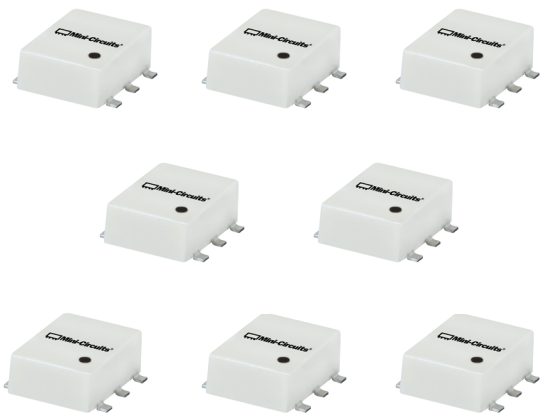
DESIGNER'S KIT K1-ADE+

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

RoHS COMPLIANT

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.	Typ.	Typ.	Typ.	Typ.
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

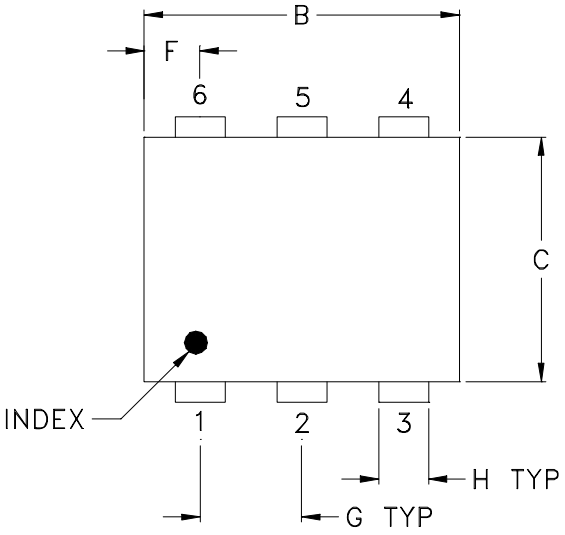
REV. A
ECO-009343
K1-ADE+
MCL NY
210820

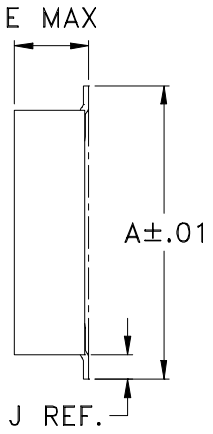
Mini-Circuits
www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

Case Style CD

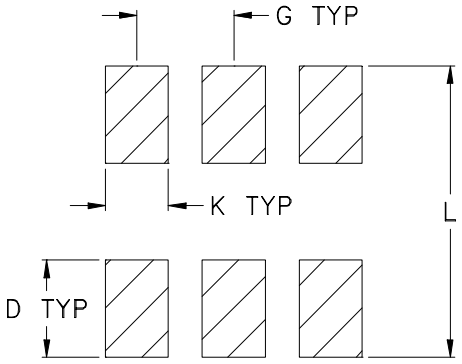
CD541
CD542
CD636
CD637

Outline Dimensions





PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.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:

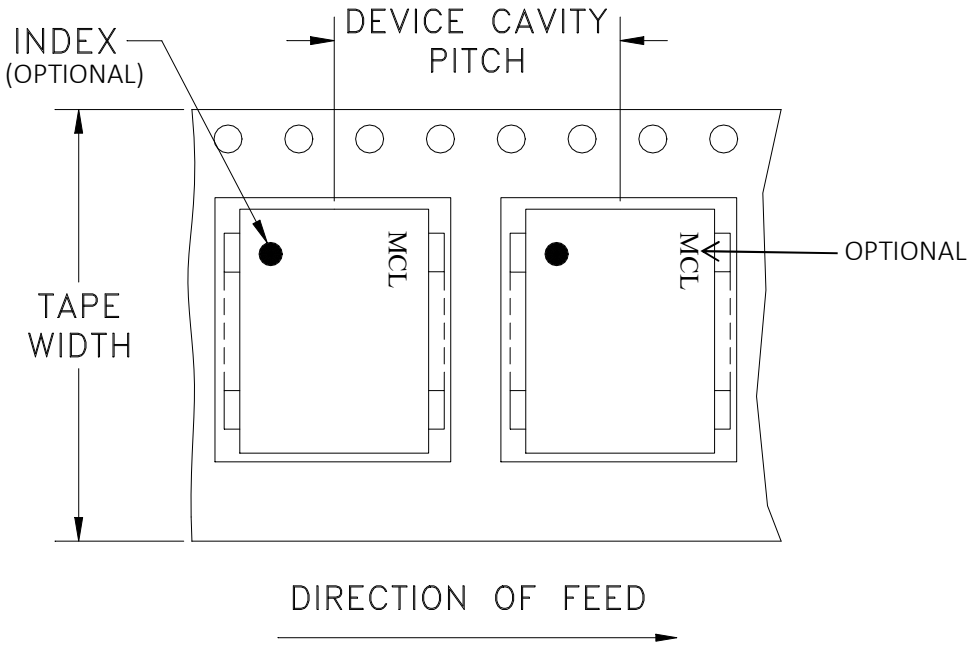
1. Case material: Plastic.
2. Termination finish:
   For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
   For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.

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