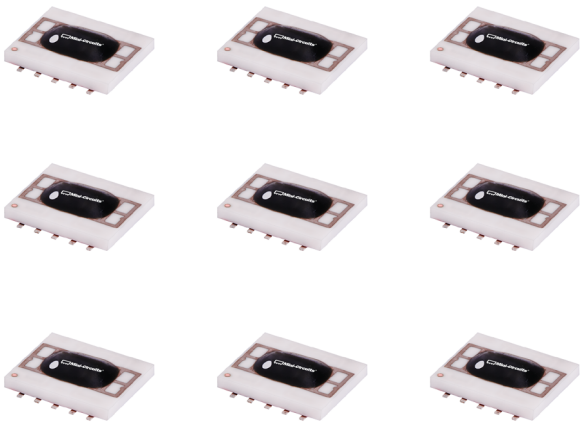
DESIGNER'S KIT K1-MCA1+

Frequency Mixers

50Ω 300 to 12000 MHz



FEATURES

- Very wide bandwidth
- Large selection of models, LO level 4, 7, 10, 13, 17
- Low conversion loss, 6 dB
- High L-R isolation to 40 dB typ.
- Rugged LTCC construction
- Low profile, 0.08"
- Low cost

MINI-CIRCUITS DESIGNER'S KITS SPEED UP THE SOLUTION

RoHS COMPLIANT

K1-MCA1+ ELECTRICAL SPECIFICATIONS

(10 models, 5 of each, 50 total)

Model	LO level (dBm)	Frequency (MHz)		Conversion Loss (dB)	RF In @ 1 dB Compr. (dBm)	IP3 (dBm) (dB)	LO-RF Isolation (dB)	LO-IF Isolation (dB)
		LO/RF	IF	Typ.	Typ.	Typ.	Typ.	Typ.
MCA1-85L+	4.0	2800-8500	DC-1200	6.0	0.0	11	35	38
MCA1-12GL+	4.0	3800-12000	DC-1500	6.5	1.0	9	38	40
MCA1-24+	7.0	300-2400	DC-700	6.1	1.0	10	40	25
MCA1-42+	7.0	1000-4200	DC-1500	6.1	1.0	10	35	20
MCA1-60+	7.0	1600-6000	DC-2000	6.3	1.0	9	32	17
MCA1-24LH+	10.0	300-2400	DC-700	6.5	5.0	13	40	22
MCA1-60LH+	10.0	1700-6000	DC-2000	6.4	5.0	13	35	21
MCA1-42MH+	13.0	1000-4200	DC-1500	6.2	9.0	16	32	20
MCA1-80H+	17.0	5000-8000	DC-1250	6.3	14.0	24	35	35
MCA1-113H+	17.0	3800-11000	DC-1800	6.7	14.0	23	35	32

Protected under U.S. Patent 7, 027, 795

REV. A
ECO-009343
K1-MCA1+
MCL NY
210820