Mini-Circuits®

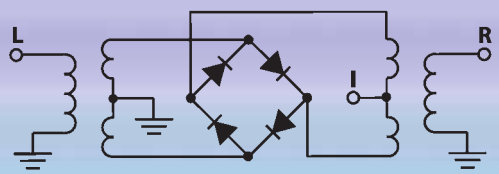
Frequency Mixers
Surface Mount

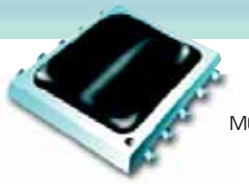
DC to 20 GHz

Model No.	RF in @ 1 dB Comp. (dBm) Typ.	Frequency Range (MHz) LO/RF		IF		Conversion Loss (dB) Typ	σ	Max.	LO-RF Isolation (dB) Typ	LO-IF Isolation (dB) Typ	IP3 @ center band (dBm) Typ	LTCC Con-struction	Case Style/ Outline Drawing	PCB Layout PL-
AADE-1MH (+)	9.0	2.0	500	DC	500	5.2	0.10	8.0	50	45	17	-	CD542	052
ADE-1MHW (+)	9.0	0.5	600	DC	600	5.2	0.10	8.0	53	44	17	-	CD542	052
ADE-10MH (+)	9.0	800	1000	10	200	7.0	0.2	8.5	34	29	26	-	CD636	052
ADE-12MH (+)	9.0	10	1200	DC	1200	6.3	0.10	8.5	45	42	22	-	CD542	052
ADE-25MH (+)	9.0	5.0	2500	5.0	1500	6.9	0.10	9.8	34	32	18	-	CD542	052
ADE-35MH (+)	9.0	5.0	3500	5.0	2500	6.9	0.10	10.5	33	28	18	-	CD542	052
ADE-42MH (+)	9.0	5.0	4200	5.0	3500	7.5	0.20	11.8	29	26	17	-	CD542	052
JMS-1MH (+)	9.0	2.0	500	DC	500	5.75	0.10	8.0	60	45	22	-	BH292	052
JMS-2MH (+)	9.0	20	1000	DC	1000	7.0	0.15	9.5	50	47	22	-	BH292	052
JMS-5MH (+)	9.0	5.0	1500	DC	1000	5.7	0.10	9.5	57	35	19	-	BH292	052
LRMS-1MH (+)	14	2.0	500	DC	500	5.65	0.08	7.0	44	36	23	-	QQQ130	083
LRMS-1MHJ (+)	9.0	2.0	500	DC	500	6.13	0.08	8.0	44	36	23	-	QQQ569	083
LRMS-2MH (+)	1.0	5.0	500	DC	1000	6.72	0.08	8.5	39	30	-	-	QQQ130	083
MBA-15MH (+)	8.0	140	2400	DC	600	5.5	0.1	8.5	28	16	18	√	SM2	066
MBA-25MH (+)	8.0	2000	3000	DC	500	6.5	0.1	8.6	36	20	16	√	SM2	066
MCA1-24MH+	9.0	300	2400	DC	700	6.1	0.10	8.9	40	25	13	√	DZ885	045
MCA1-42MH+	9.0	1000	4200	DC	1500	6.2	0.10	8.9	32	20	16	√	DZ885	045
MCA1-60MH+	9.0	1600	6000	DC	2000	6.5	0.10	8.5	28	15	15	√	DZ885	045
MCA1-80MH+	9.0	2800	8000	DC	1250	5.7	0.20	8.7	27	20	18	√	DZ885	045
RMS-1MH (+)	9.0	2.0	500	DC	500	6.07	0.16	8.0	44	36	26	-	TT240	052
RMS-2MH (+)	9.0	5.0	1000	DC	1000	6.72	0.08	9.5	39	30	22	-	TT100	052
RMS-5MH (+)	9.0	10	1500	DC	900	5.67	0.09	9.5	40	38	17	-	TT240	052
RMS-25MH (+)	9.0	5.0	2500	5.0	1500	7.0	0.20	9.8	32	32	17	-	TT240	052
RMS-42MH (+)	9.0	800	4200	DC	800	5.3	0.20	10.8	28	15	19	-	TT240	052
SIM-24MH+	9.0	7300	20000	DC	7500	8.0	0.30	11.9	35	20	1	√	HV1195	239
SIM-43MH+	9.0	824	4200	DC	1500	6.3	0.10	8.3	37	24	20	√	HV1195	239
SIM-153MH+	3.0	3200	15000	DC	4000	7.5	0.40	11.5	35	19	17	√	HV1195	239
SIM-722MH +	9.0	2300	7200	DC	3000	6.0	0.10	7.6	30	23	22	√	HV1195	239
SIM-852MH+	9.0	3700	8500	DC	4000	6.9	0.20	9.8	35	11	20	√	HV1195	239
SKY-53MHR (+)	9.0	2800	5300	DC	500	5.7	0.20	9.5	28	12	19	-	BJ398	056
SKY-60MH (+)	9.0	2500	6000	DC	1500	6.2	0.20	9.5	28	14	19	-	BJ398	056
SYM-25DMHW (+)	9.0	40	2500	DC	1000	6.6	0.10	9.0	37	38	26	-	TTT167	079
SYM-30DMHW (+)	9.0	5.0	3000	5.0	1500	6.5	0.10	9.3	39	42	22	-	TTT167	079
TUF-2MHSM+	9.0	50	1000	DC	1000	6.0	0.25	9.0	47	47	19	-	NNN150	081
TUF-3MHSM+	9.0	0.15	400	DC	400	5.0	0.33	8.0	46	42	18	-	NNN150	081

(+) Symbol indicates this Model is available as RoHS Compliant/Pb Free.

RMS





MCA1

MBA

ADE/ADEX

SIM