

Mixers

Part No.	RF Freq.(MHz)	IF Freq.(MHz)	Conversion loss(dB)	P1 (dBm)	Input IP3(dBm)	Lo power(dBm)	Vd(V)	Current(mA)	Package
BM831	700~1400	50 ~ 210	9.1	24.2	31.7	-2 ~ +2	5.0	58	MSOP-8
	700~1400	50 ~ 210	9	19.1	28.5	-2 ~ +2	3.3	45	
BM851	1700~2700	50 ~ 300	8.1	23	32.8	-2 ~ +4	5.0	57.5	MSOP-8
	1700~2700	50 ~ 300	8.2	18.8	30.3	-2 ~ +4	3.3	44.5	
BM351	2500~6000	50~ 700	9.1	22.1	29.7	-2 ~ +2	5.0	85	TDFN 8
	2500~6000	50~700	8.6	19.6	25.8	-2 ~ +2	3.3	62	

Part No.	Description	Freq. LO/RF (GHz)	Freq. IF (GHz)	Lo Drive (dBm)	Conver. Gain (dB)	LO-RF Isolation (dB)	LO-IF Isolation (dB)	Input P1dB (dBm)	PKG
SAC3501	up-converter	2.0~3.5	0.01~0.6	+0	8	-40	-60	N/A	Bare Die
SAC3502	down-converter	2.0~3.5	0.01~0.6	+0	13	-45	-47	N/A	Bare Die
SAC3503	down-converter	2.0~3.5	0.01~0.6	+0	13	-45	-47	N/A	Bare Die
SAC3504	double balanced	7~14	DC~3	+13	-8	-35	-27	6 /13	Bare Die
SAC3505	double balanced	3.5~9	DC ~ 1	+13	-9	-35	-21	7/12	Bare Die
SAC3506	double balanced	11~20	DC~4	+13	-8	-30	-27	5/10	Bare Die
SAC3508	double balanced	2.0~6.0	DC~2	+0	-7	-25	-20	N/A	Bare Die
SAC3508Q4	double balanced	2.0~6.0	DC~2	+0	-8	-24	-24	N/A	QFN4x4

SAC3509	double balanced	5.0~10	DC~4	+13	-8	-38	-35	N/A	Bare Die
SAC3510	double balanced	5.0~16	DC~6	+13	-8.5	-38	-33	12	Bare Die
SAC3511	IQ Mixer	8~12	DC~3	+0	15	-50	-30	N/A	Bare Die
SAC3512	double balanced	24~40	DC~10	+13	-8.5	-40	-30	15	Bare Die
SAC3513	double balanced	18~32	DC~10	+13	-7.5	-40	-30	14	Bare Die
SAC3514	GaAs MMIC Subharmonic Mixer	14~30	DC~6	13	-7	-45	-32	N/A	Bare Die
SAC3515Q5	double balanced	3.5~9	DC~3	-4	-8	-30	-30	IIP3 :18	QFN5×5
SAC3516	GaAs MMIC Subharmonic Mixer	12~18/24~ 34	DC~4	4	-9	-35	-30	N/A	Bare Die
SAC3517	GaAs MMIC Subharmonic Mixer	4~20/14~32	DC~7	15	-12	-30	-32	N/A	Bare Die
SAC3518	GaAs MMIC Subharmonic Mixer	9~16/18~36	DC~7	+0	-13	-30	-15	N/A	Bare Die



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