

Frequency Mixer

ADE-ED6812/4

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
829.2	859.2	9.10	5.60	4.90	859.2	34.1	34.0	33.7	25.3	22.6	21.6
975.0	1005.0	7.61	5.41	5.01	1005.0	31.4	32.2	33.1	32.1	27.4	24.5
1120.8	1150.8	7.33	5.43	4.93	1150.8	29.9	31.2	32.4	31.0	30.9	27.8
1200.0	1230.0	7.35	5.35	4.85	1230.0	28.9	30.8	32.6	25.1	28.6	28.1
1266.7	1296.7	7.69	5.69	4.99	1296.7	29.2	30.4	31.8	22.5	26.5	27.6
1412.5	1442.5	8.01	6.71	6.11	1442.5	29.8	32.3	33.1	18.5	23.8	27.0
1500.0	1530.0	7.94	7.04	6.34	1530.0	30.4	32.5	33.4	16.6	22.2	26.5
1558.3	1588.3	7.83	7.23	6.73	1588.3	31.2	32.9	33.4	15.5	20.8	25.4
1704.2	1734.2	7.82	7.32	7.02	1734.2	32.7	34.5	34.9	12.9	16.1	19.3
1850.0	1880.0	7.94	7.14	6.94	1880.0	31.2	31.9	32.2	11.6	14.4	16.6
1995.8	2025.8	8.14	7.14	6.84	2025.8	35.4	33.7	33.1	10.6	12.8	14.7
2141.7	2171.7	8.59	7.19	6.69	2171.7	37.7	35.1	34.0	9.7	10.9	12.2
2287.5	2317.5	8.89	7.39	6.89	2317.5	35.7	34.9	34.4	9.5	9.9	11.1
2433.3	2463.3	9.41	7.31	6.81	2463.3	31.6	31.4	32.2	9.3	9.4	10.4
2579.2	2609.2	10.79	8.29	7.69	2609.2	29.1	29.8	30.8	8.1	9.0	9.8
2725.0	2755.0	12.26	10.16	9.16	2755.0	35.3	34.3	33.9	8.7	9.2	9.2
2870.8	2900.8	11.97	10.27	9.57	2900.8	39.5	37.8	37.0	9.4	8.9	8.7
3000.0	2970.0	11.69	10.09	9.49	2970.0	41.7	39.0	38.0	9.9	8.9	8.3
3016.7	2986.7	11.44	10.04	9.44	2986.7	42.2	39.3	38.1	9.9	8.9	8.3
3162.5	3132.5	10.91	9.61	9.21	3132.5	55.4	43.0	40.2	11.0	8.9	8.0

Frequency Mixer

ADE-ED6812/4

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10
859.2	10.89	5.17	4.64	2.49	1.27	1.12	1.0	1.54	1.14	1.51
1005.0	5.66	3.79	4.03	1.96	1.28	1.13	1.5	1.55	1.13	1.52
1150.8	3.50	3.06	3.79	2.30	1.70	1.57	3.5	1.53	1.15	1.53
1230.0	2.68	2.88	3.71	2.65	2.01	1.82	8.7	1.51	1.15	1.54
1296.7	2.30	2.72	3.50	3.11	2.43	2.18	10.0	1.53	1.16	1.54
1442.5	1.81	2.55	3.26	4.12	3.71	3.44	21.1	1.49	1.15	1.52
1530.0	1.81	2.61	3.38	4.42	4.12	3.86	30.0	1.51	1.15	1.53
1588.3	1.88	2.84	3.71	3.86	3.86	3.71	50.0	1.51	1.15	1.52
1734.2	2.20	3.06	4.03	3.64	3.50	3.44	100.0	1.48	1.14	1.50
1880.0	2.68	3.44	4.32	3.95	3.79	3.71	125.9	1.48	1.14	1.48
2025.8	3.50	3.64	4.32	4.64	4.32	4.12	200.0	1.46	1.12	1.44
2171.7	4.12	3.71	4.03	5.49	4.64	4.42	307.3	1.48	1.10	1.40
2317.5	4.32	3.64	3.50	6.26	5.33	4.77	400.0	1.51	1.09	1.38
2463.3	4.42	3.38	3.16	7.28	5.17	4.53	500.0	1.51	1.10	1.37
2609.2	3.79	2.72	2.46	6.49	5.03	4.64	600.0	1.48	1.12	1.37
2755.0	3.16	2.08	1.82	7.60	6.73	6.26	750.1	1.38	1.17	1.38
2900.8	2.49	1.69	1.46	7.00	6.26	5.85	818.2	1.35	1.18	1.39
2970.0	2.27	1.54	1.37	7.00	6.26	6.05	886.4	1.32	1.19	1.39
2986.7	2.20	1.54	1.36	7.00	6.49	6.26	954.6	1.31	1.18	1.40
3132.5	1.91	1.46	1.42	7.00	6.49	6.26	1000.0	1.30	1.17	1.38