

Frequency Mixer

ADE-ED6700

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
100.0	130.0	7.56	6.76	6.46	130.0	44.2	44.9	46.3	49.4	51.0	52.3
131.6	161.6	7.35	6.65	6.45	161.6	44.6	46.1	47.1	48.1	50.0	52.1
150.0	180.0	7.53	6.73	6.53	180.0	45.4	47.1	47.9	46.8	48.8	50.7
213.2	243.2	7.28	6.68	6.48	243.2	51.3	51.4	50.1	44.2	46.4	48.0
294.7	324.7	7.36	6.86	6.66	324.7	52.4	50.5	49.3	42.1	44.1	46.0
376.3	406.3	7.43	7.03	6.73	406.3	42.7	43.1	44.1	40.0	42.1	43.9
457.9	487.9	7.44	6.84	6.64	487.9	38.6	39.9	40.9	38.4	40.3	41.4
500.0	530.0	7.62	7.12	6.82	530.0	36.3	37.9	39.2	37.5	39.3	40.3
539.5	569.5	7.64	7.14	6.94	569.5	34.6	36.1	37.5	36.4	38.2	39.4
621.1	651.1	7.50	7.10	6.80	651.1	31.7	32.6	33.5	35.0	36.4	37.5
702.6	732.6	7.36	6.86	6.66	732.6	30.0	30.4	31.1	33.1	34.5	35.4
784.2	814.2	7.84	7.04	6.64	814.2	27.9	28.7	29.2	33.0	34.3	35.0
865.8	895.8	7.82	7.32	6.82	895.8	26.2	26.7	27.0	32.1	33.7	34.2
947.4	977.4	8.13	7.53	7.13	977.4	24.9	25.1	25.0	32.3	34.2	35.3
970.0	1000.0	8.17	7.67	7.27	1000.0	24.6	24.6	24.5	31.8	33.5	34.9
1000.0	1030.0	8.06	7.56	7.26	1030.0	24.2	23.8	23.2	31.3	32.9	34.3
1028.9	1058.9	8.07	7.57	7.17	1058.9	23.7	23.0	21.8	31.5	33.0	34.4
1110.5	1140.5	8.01	7.51	7.11	1140.5	21.7	19.7	18.7	30.1	31.2	31.8
1192.1	1222.1	8.15	7.65	7.45	1222.1	19.8	18.4	17.3	29.0	29.3	29.4
1200.0	1230.0	8.15	7.65	7.45	1230.0	19.8	18.3	17.2	29.1	29.6	29.6

Frequency Mixer

ADE-ED6700

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
130.0	1.76	1.32	1.10	2.76	2.08	2.37	10.0	1.32	1.27	1.24
161.6	1.71	1.31	1.13	2.35	1.87	2.25	30.0	1.24	1.16	1.11
180.0	1.73	1.32	1.16	2.23	1.76	2.18	50.5	1.22	1.15	1.08
243.2	1.64	1.33	1.20	1.97	1.59	2.10	100.0	1.22	1.14	1.09
324.7	1.61	1.39	1.26	1.68	1.46	2.06	150.4	1.23	1.16	1.11
406.3	1.73	1.53	1.39	1.51	1.44	2.06	200.4	1.27	1.19	1.14
487.9	1.80	1.44	1.27	1.37	1.45	2.08	250.4	1.28	1.21	1.15
530.0	1.87	1.59	1.36	1.31	1.46	2.10	300.0	1.30	1.23	1.17
569.5	1.91	1.70	1.54	1.27	1.49	2.10	350.3	1.31	1.25	1.18
651.1	1.81	1.59	1.43	1.18	1.57	2.20	400.0	1.33	1.26	1.19
732.6	1.71	1.46	1.36	1.11	1.61	2.27	450.3	1.36	1.29	1.22
814.2	1.99	1.59	1.37	1.22	1.77	2.49	500.0	1.41	1.24	1.25
895.8	1.97	1.73	1.46	1.32	1.92	2.72	550.2	1.41	1.33	1.26
977.4	1.96	1.75	1.54	1.41	2.08	2.96	600.2	1.45	1.37	1.30
1000.0	1.96	1.75	1.54	1.41	2.04	2.80	650.2	1.50	1.42	1.34
1030.0	1.89	1.66	1.43	1.43	2.08	2.88	700.1	1.63	1.53	1.44
1058.9	1.85	1.59	1.33	1.46	2.08	2.96	750.1	1.64	1.56	1.48
1140.5	1.59	1.28	1.08	1.48	2.12	2.88	800.1	1.81	1.71	1.64
1222.1	1.41	1.22	1.18	1.46	2.06	2.76	850.1	1.85	1.78	1.70
1230.0	1.39	1.23	1.19	1.48	2.03	2.72	900.0	1.96	1.88	1.82