

Frequency Mixer

ADE-ED6909/2

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
10.0	40.0	6.70	6.20	6.00	40.0	67.7	68.5	70.0	67.5	68.4	69.0
40.0	70.0	6.66	6.36	6.16	70.0	62.8	63.9	65.1	69.8	69.0	67.5
70.0	100.0	6.78	6.38	6.18	100.0	59.3	60.7	61.1	72.3	67.7	67.0
106.2	136.2	6.70	6.30	6.10	136.2	56.7	57.3	57.9	66.5	64.5	62.8
211.4	241.4	6.66	6.36	6.16	241.4	49.9	51.0	52.5	49.2	48.8	49.5
316.6	346.6	6.60	6.30	6.20	346.6	45.8	47.4	49.2	42.4	43.2	44.2
421.8	451.8	6.55	6.25	6.05	451.8	42.1	43.8	45.4	37.8	38.7	39.9
527.1	557.1	6.76	6.36	6.16	557.1	40.2	41.6	43.3	34.7	35.7	36.7
632.3	662.3	6.65	6.25	6.05	662.3	38.5	40.1	41.6	33.0	33.8	34.7
737.5	767.5	6.71	6.31	6.01	767.5	35.8	37.2	38.5	31.2	32.2	32.8
842.7	872.7	6.73	6.23	5.93	872.7	33.2	34.6	35.9	29.3	30.2	31.0
947.9	977.9	6.71	6.11	5.71	977.9	31.0	32.5	33.7	26.9	27.8	28.7
970.0	1000.0	6.76	6.16	5.76	1000.0	30.8	32.2	33.5	26.5	27.3	28.1
1053.1	1083.1	6.80	6.30	5.90	1083.1	29.6	31.2	32.5	25.8	26.7	27.3
1158.3	1188.3	6.89	6.39	5.99	1188.3	28.1	29.9	31.0	25.0	25.6	26.4
1263.5	1293.5	6.83	6.33	5.93	1293.5	27.4	28.7	29.8	23.4	24.0	24.6
1368.7	1398.7	6.66	6.26	5.96	1398.7	27.5	29.0	30.1	22.2	23.2	23.8
1473.9	1503.9	6.92	6.52	6.32	1503.9	28.0	29.1	30.2	21.9	22.8	23.2
1579.2	1609.2	7.30	6.90	6.70	1609.2	28.8	29.6	30.2	21.5	22.2	22.4
1600.0	1630.0	7.37	6.97	6.77	1630.0	28.8	29.7	30.3	21.4	22.0	22.2

Frequency Mixer

ADE-ED6909/2

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
40.0	1.64	1.51	1.43	1.13	1.75	2.43	10.0	1.65	1.34	1.14
70.0	1.56	1.44	1.37	1.16	1.75	2.46	30.0	1.63	1.33	1.14
100.0	1.51	1.39	1.32	1.19	1.76	2.46	52.5	1.64	1.34	1.15
136.2	1.51	1.39	1.32	1.23	1.78	2.49	70.0	1.66	1.35	1.15
241.4	1.52	1.41	1.36	1.33	1.84	2.55	104.8	1.66	1.37	1.17
346.6	1.54	1.44	1.39	1.39	1.82	2.52	157.2	1.68	1.39	1.20
451.8	1.55	1.45	1.40	1.43	1.87	2.49	209.6	1.74	1.43	1.24
557.1	1.61	1.53	1.47	1.51	1.96	2.49	261.9	1.78	1.48	1.28
662.3	1.59	1.51	1.46	1.60	2.06	2.61	314.3	1.84	1.51	1.32
767.5	1.63	1.54	1.48	1.68	2.25	2.84	366.6	1.87	1.55	1.35
872.7	1.62	1.51	1.45	1.80	2.40	3.06	419.0	1.89	1.57	1.37
977.9	1.51	1.37	1.30	1.96	2.58	3.21	471.4	1.88	1.58	1.37
1000.0	1.48	1.35	1.26	1.96	2.58	3.26	523.7	1.87	1.56	1.35
1083.1	1.44	1.34	1.24	2.14	2.76	3.44	576.1	1.85	1.54	1.33
1188.3	1.38	1.28	1.20	2.32	2.96	3.71	628.5	1.78	1.49	1.30
1293.5	1.40	1.36	1.34	2.43	3.06	3.86	680.8	1.71	1.44	1.26
1398.7	1.66	1.66	1.67	2.55	3.26	4.12	733.2	1.64	1.39	1.23
1503.9	2.12	2.12	2.12	2.88	3.50	4.53	785.5	1.59	1.36	1.21
1609.2	2.68	2.68	2.68	3.26	4.03	5.17	837.9	1.54	1.32	1.19
1630.0	2.76	2.76	2.72	3.32	4.03	5.17	890.3	1.51	1.31	1.19