

Frequency Mixer

ADE-ED6969/1

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
304.2	218.2	7.61	6.41	6.11	218.2	46.5	47.2	49.0	43.5	44.5	44.4
381.3	295.3	6.90	6.20	6.10	295.3	42.5	44.2	46.1	48.4	48.4	45.0
458.3	372.3	6.65	6.15	6.05	372.3	40.3	42.8	45.2	58.2	52.7	46.3
535.4	449.4	6.29	5.99	5.79	449.4	38.0	39.9	41.6	48.6	46.4	43.7
612.5	526.5	6.42	6.12	5.92	526.5	37.3	39.1	41.1	43.2	41.9	42.2
689.6	603.6	6.39	6.19	5.89	603.6	36.3	38.9	41.6	41.1	42.8	40.2
766.7	680.7	6.40	6.10	5.90	680.7	34.1	36.0	38.3	40.8	45.0	47.5
824.0	738.0	6.49	6.19	5.89	738.0	32.1	34.3	36.2	39.2	41.0	42.8
830.0	744.0	6.51	6.21	5.91	744.0	32.0	33.9	36.0	39.2	40.6	42.2
835.0	749.0	6.47	6.17	5.87	749.0	31.8	33.7	35.9	39.2	40.4	41.7
840.0	754.0	6.42	6.12	5.82	754.0	31.7	33.5	35.7	38.9	40.2	41.3
843.8	757.8	6.39	6.09	5.89	757.8	31.6	33.6	35.6	38.8	39.8	40.9
849.0	763.0	6.45	6.05	5.85	763.0	31.4	33.3	35.6	38.6	39.4	40.5
915.0	829.0	6.32	5.92	5.62	829.0	30.0	32.3	35.0	33.4	35.4	35.1
925.0	839.0	6.39	5.89	5.69	839.0	30.0	32.2	34.9	32.3	34.9	34.7
997.9	911.9	7.04	6.44	6.04	911.9	31.4	33.9	35.7	30.0	29.5	31.0
1075.0	989.0	7.63	7.13	6.43	989.0	30.8	33.4	35.7	31.4	31.2	30.9
1152.1	1066.1	7.63	7.23	6.83	1066.1	29.8	32.1	34.0	31.3	32.0	32.3
1229.2	1143.2	7.59	7.29	6.89	1143.2	28.2	30.0	31.4	29.4	30.9	32.0
1306.3	1220.3	7.70	7.30	6.80	1220.3	27.0	28.5	29.5	26.5	27.4	27.8

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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
218.2	6.73	3.26	2.58	2.40	2.06	1.92	53.6	1.89	1.55	1.35
295.3	4.12	2.43	2.23	2.16	1.92	1.84	86.0	1.92	1.57	1.36
372.3	3.21	2.03	2.10	2.03	1.84	1.77	100.0	1.87	1.53	1.34
449.4	2.61	1.84	2.10	1.87	1.73	1.66	106.2	1.88	1.54	1.34
526.5	2.16	1.78	2.27	1.81	1.69	1.64	158.7	1.85	1.52	1.34
603.6	1.96	1.78	2.37	1.76	1.66	1.59	211.3	1.82	1.51	1.32
680.7	1.74	1.84	2.55	1.62	1.54	1.51	250.0	1.78	1.48	1.30
738.0	1.59	1.84	2.46	1.58	1.50	1.46	263.9	1.81	1.49	1.31
744.0	1.57	1.82	2.52	1.55	1.48	1.43	316.5	1.84	1.51	1.31
749.0	1.56	1.84	2.55	1.54	1.46	1.42	369.1	1.87	1.52	1.32
754.0	1.54	1.85	2.52	1.53	1.45	1.41	421.6	1.88	1.54	1.34
757.8	1.54	1.87	2.58	1.53	1.45	1.40	474.2	1.94	1.59	1.38
763.0	1.54	1.89	2.61	1.54	1.44	1.40	500.0	1.97	1.62	1.40
829.0	1.38	1.84	2.58	1.42	1.35	1.34	526.8	1.97	1.63	1.41
839.0	1.37	1.87	2.68	1.42	1.36	1.35	579.4	2.03	1.67	1.46
911.9	1.38	1.97	2.84	1.50	1.43	1.40	631.9	2.03	1.69	1.51
989.0	1.51	2.30	3.38	1.56	1.44	1.33	684.5	1.99	1.69	1.54
1066.1	1.63	2.58	3.95	1.48	1.38	1.28	737.1	1.97	1.73	1.59
1143.2	1.80	2.72	4.12	1.40	1.31	1.22	750.0	1.97	1.74	1.62
1220.3	1.82	2.84	4.12	1.41	1.31	1.23	789.7	1.84	1.66	1.60