

Frequency Mixer

ADE-ED5957/1

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
606.8	692.2	8.81	6.51	6.11	692.2	38.3	39.8	41.5	44.5	38.4	33.5
718.2	803.6	8.46	6.76	6.26	803.6	36.1	39.6	42.2	42.6	32.3	30.1
829.5	914.9	8.40	6.90	6.40	914.9	35.9	41.0	42.4	40.6	29.7	27.4
851.0	936.4	8.54	7.04	6.64	936.4	35.9	40.5	41.7	38.9	29.3	26.8
860.0	945.4	8.63	6.93	6.43	945.4	36.0	40.4	41.5	38.4	29.1	26.7
865.0	950.4	8.59	6.99	6.49	950.4	36.0	40.2	41.4	37.6	29.1	26.6
870.0	955.4	8.49	7.09	6.49	955.4	36.1	40.1	41.3	36.5	28.7	26.3
880.0	965.4	8.34	7.04	6.54	965.4	36.2	40.0	40.7	35.5	28.4	26.1
940.9	1026.3	8.20	6.70	6.20	1026.3	36.9	42.9	41.0	31.0	26.9	24.8
1052.3	1137.7	8.00	7.00	6.60	1137.7	38.1	43.2	40.7	25.2	24.6	23.0
1163.6	1249.0	8.67	7.57	7.07	1249.0	37.2	41.9	42.7	21.8	22.8	23.1
1275.0	1360.4	9.27	7.47	6.77	1360.4	32.2	37.8	43.4	19.5	20.0	21.0
1386.4	1471.8	8.58	7.08	6.38	1471.8	29.0	35.5	45.7	18.3	19.5	20.4
1500.0	1585.4	8.52	7.12	6.42	1585.4	26.0	31.7	39.3	17.8	19.1	20.2
1609.1	1694.5	8.67	7.87	7.27	1694.5	25.0	31.5	38.1	16.4	18.3	19.5
1720.5	1805.9	9.03	8.63	8.33	1805.9	24.4	29.3	31.5	16.0	18.1	19.4
1831.8	1917.2	9.98	9.78	9.68	1917.2	22.3	25.9	27.5	15.7	17.9	18.8
1943.2	2028.6	11.63	11.43	11.43	2028.6	19.9	23.5	25.2	14.8	17.6	19.0
2054.5	2139.9	13.03	12.83	12.83	2139.9	18.2	22.1	24.8	14.2	17.7	19.7
2165.9	2251.3	14.12	13.92	13.92	2251.3	18.1	22.2	25.0	15.2	18.6	21.1

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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
692.2	10.89	3.32	2.76	4.42	3.21	3.06	10.0	2.35	1.35	1.09
803.6	9.69	3.01	2.76	4.32	3.32	3.16	20.0	2.27	1.34	1.09
914.9	7.60	2.96	2.92	3.86	3.11	2.96	50.0	2.25	1.36	1.11
936.4	7.00	2.84	2.84	3.95	3.21	3.06	80.0	2.27	1.39	1.15
945.4	7.00	2.80	2.76	4.03	3.21	3.06	85.4	2.32	1.40	1.16
950.4	6.49	2.76	2.72	3.95	3.21	3.06	100.0	2.23	1.40	1.17
955.4	5.85	2.72	2.68	3.86	3.21	3.06	151.6	2.23	1.46	1.22
965.4	5.49	2.68	2.65	3.71	3.11	2.96	201.8	2.25	1.51	1.27
1026.3	4.89	2.65	2.72	3.32	2.68	2.55	252.1	2.32	1.56	1.32
1137.7	3.44	2.40	2.72	2.88	2.65	2.58	302.3	2.46	1.64	1.38
1249.0	2.88	2.37	3.01	3.01	2.76	2.65	352.5	2.68	1.74	1.46
1360.4	2.72	2.32	3.01	2.84	2.43	2.27	402.7	2.92	1.87	1.57
1471.8	2.43	2.43	3.01	1.84	1.70	1.73	452.9	3.11	1.99	1.67
1585.4	2.25	2.52	3.21	1.03	1.28	1.49	500.0	3.26	2.06	1.76
1694.5	2.18	2.72	3.50	2.61	2.84	2.96	503.1	3.26	2.10	1.76
1805.9	1.94	2.88	3.86	4.42	4.77	4.89	553.3	3.26	2.14	1.82
1917.2	1.87	2.92	3.86	3.64	3.71	3.64	603.5	3.26	2.18	1.89
2028.6	1.85	2.80	3.71	3.44	3.44	3.38	653.7	3.26	2.23	1.94
2139.9	1.89	2.88	3.71	3.57	3.21	3.06	703.9	3.26	2.32	2.03
2251.3	2.06	2.88	3.79	3.21	2.80	2.58	754.2	3.26	2.37	2.10