

Frequency Mixer

ADE-ED6071/1

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
1136.4	1236.4	13.91	12.71	11.51	1236.4	36.2	37.5	37.4	31.7	32.0	31.6
1227.3	1327.3	11.20	10.30	9.40	1327.3	34.9	35.2	35.1	28.8	28.6	28.5
1318.2	1418.2	9.12	8.42	7.92	1418.2	35.4	36.6	35.8	27.9	27.5	26.5
1409.1	1509.1	7.87	7.17	6.77	1509.1	41.1	47.9	41.0	38.7	34.1	30.4
1500.0	1600.0	7.21	6.61	6.11	1600.0	40.5	61.8	42.2	32.8	30.4	28.2
1590.9	1690.9	6.84	6.34	6.04	1690.9	38.8	43.9	40.6	29.3	28.0	26.8
1600.0	1700.0	6.83	6.23	6.03	1700.0	38.5	42.7	39.7	28.8	27.6	26.4
1681.8	1781.8	6.86	6.36	6.16	1781.8	35.3	36.9	35.7	27.0	26.0	25.1
1700.0	1800.0	6.90	6.50	6.20	1800.0	34.5	35.8	34.7	26.5	25.6	24.7
1772.7	1872.7	7.24	6.84	6.74	1872.7	32.6	32.4	31.3	25.6	24.6	24.1
1863.6	1963.6	7.87	7.47	7.37	1963.6	31.7	31.0	29.4	24.5	23.5	23.2
1954.5	2054.5	8.03	8.03	8.23	2054.5	31.1	31.9	30.4	23.4	23.1	22.8
2000.0	2100.0	7.96	7.96	8.26	2100.0	30.2	33.0	32.0	23.0	23.0	23.1
2045.5	2145.5	7.95	7.65	7.95	2145.5	29.3	33.3	32.5	22.6	23.0	23.3
2100.0	2200.0	8.32	7.52	7.32	2200.0	28.4	32.7	34.0	22.8	23.2	23.8
2136.4	2236.4	9.21	7.71	7.21	2236.4	27.7	32.5	34.2	22.7	23.4	23.8
2170.0	2270.0	10.09	8.29	7.39	2270.0	27.5	32.2	35.1	22.8	23.4	24.0
2227.3	2327.3	11.43	9.23	7.93	2327.3	27.4	32.4	35.9	22.7	23.6	23.9
2318.2	2418.2	12.00	10.40	8.90	2418.2	27.9	33.1	37.1	23.6	24.2	24.1
2409.1	2509.1	12.20	10.60	9.20	2509.1	27.9	33.0	35.9	24.2	24.9	24.3

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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
1236.4	1.81	2.40	3.32	5.17	5.33	5.33	0.3	4.42	3.11	2.52
1327.3	1.85	2.40	3.32	4.64	4.53	4.53	0.5	4.64	3.26	2.58
1418.2	2.01	2.49	3.32	3.71	3.79	3.64	0.8	4.64	3.26	2.65
1509.1	2.12	2.65	3.44	2.88	2.72	2.68	1.0	5.03	3.38	2.72
1600.0	2.43	2.84	3.64	2.30	2.30	2.35	10.0	4.89	3.38	2.68
1690.9	3.01	3.11	3.86	2.01	2.12	2.25	25.0	4.32	3.11	2.52
1700.0	3.01	3.16	3.95	1.99	2.12	2.25	50.0	4.22	3.11	2.55
1781.8	3.50	3.44	4.03	1.99	2.25	2.43	63.3	4.64	3.32	2.65
1800.0	3.71	3.57	4.12	2.04	2.35	2.55	126.4	4.03	3.06	2.43
1872.7	4.53	3.86	4.22	2.06	2.49	2.72	189.6	4.12	3.16	2.43
1963.6	5.49	4.22	4.32	2.12	2.52	2.76	252.7	3.79	2.96	2.32
2054.5	6.05	4.77	4.53	2.14	2.52	2.68	315.9	4.03	3.06	2.32
2100.0	6.73	4.89	4.77	2.04	2.40	2.58	379.0	3.86	2.96	2.23
2145.5	6.49	5.03	4.77	1.91	2.16	2.35	442.2	3.64	2.80	2.18
2200.0	7.00	5.49	5.03	1.78	1.85	1.99	505.3	3.11	2.49	2.01
2236.4	7.28	5.33	4.89	1.97	1.82	1.89	568.5	2.61	2.20	1.84
2270.0	7.94	5.49	5.03	2.37	2.03	1.96	631.6	2.18	1.89	1.66
2327.3	8.72	5.66	5.17	3.06	2.55	2.32	694.8	1.88	1.69	1.58
2418.2	9.18	6.05	5.33	3.57	3.21	2.96	757.9	1.60	1.51	1.54
2509.1	10.25	6.26	5.33	3.95	3.79	3.57	821.1	1.40	1.45	1.63