

Frequency Mixer

ADE-ED6788A/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)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
1736.8	836.8	7.91	6.81	6.31	836.8	33.6	32.7	32.7	31.4	37.0	36.7
1873.7	973.7	7.60	6.40	6.10	973.7	34.9	33.5	32.7	38.0	39.5	34.1
1900.0	1000.0	7.63	6.43	6.13	1000.0	34.4	33.6	32.9	40.1	39.8	34.0
2000.0	1100.0	7.91	6.51	6.21	1100.0	33.0	32.9	32.8	48.7	38.5	33.2
2010.5	1110.5	8.02	6.62	6.22	1110.5	32.8	32.7	32.8	49.0	38.3	32.8
2147.4	1247.4	8.28	6.68	6.28	1247.4	30.3	31.4	32.1	43.3	35.8	31.9
2284.2	1384.2	9.70	7.00	6.40	1384.2	29.7	31.1	31.8	44.0	34.4	31.2
2421.1	1521.1	10.01	7.51	6.71	1521.1	29.1	31.8	33.0	41.1	35.1	31.5
2500.0	1600.0	10.87	8.07	7.17	1600.0	28.3	31.5	33.1	41.0	36.0	32.3
2557.9	1657.9	11.46	8.66	7.46	1657.9	28.0	31.0	32.7	41.2	36.8	32.7
2694.7	1794.7	11.83	8.93	7.83	1794.7	27.3	30.3	31.9	40.3	39.2	34.8
2831.6	1931.6	11.53	9.03	8.13	1931.6	26.2	29.1	30.9	39.8	45.1	40.0
2900.0	2000.0	11.10	8.90	8.00	2000.0	25.8	28.4	29.9	39.5	47.4	46.6
2968.4	2068.4	10.69	8.69	7.99	2068.4	25.4	27.9	29.5	40.1	48.3	46.6
3000.0	2100.0	10.64	8.94	8.04	2100.0	25.1	27.6	29.3	40.3	50.2	42.9
3105.3	2205.3	9.96	8.46	7.76	2205.3	24.6	26.6	27.8	43.4	42.7	35.0
3242.1	2342.1	9.24	7.84	7.24	2342.1	24.3	25.8	26.3	43.9	34.4	29.9
3378.9	2478.9	9.43	8.13	7.63	2478.9	24.5	25.5	25.6	35.0	29.6	26.6
3400.0	2500.0	9.51	8.11	7.61	2500.0	24.4	25.5	25.6	33.9	29.1	26.5
3500.0	2600.0	9.32	8.32	7.62	2600.0	24.5	25.2	25.2	29.3	26.8	24.9

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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)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
836.8	3.38	3.06	2.96	2.92	1.51	1.20	500.0	1.43	1.46	1.64
973.7	3.57	3.21	3.06	3.95	1.67	1.34	531.5	1.43	1.47	1.66
1000.0	3.57	3.32	3.16	3.86	1.70	1.33	600.0	1.43	1.49	1.68
1100.0	4.03	3.71	3.50	4.42	1.88	1.36	606.0	1.43	1.50	1.67
1110.5	3.95	3.50	3.38	4.32	1.88	1.37	680.5	1.43	1.48	1.66
1247.4	4.64	4.03	3.86	4.42	1.96	1.32	700.0	1.43	1.50	1.68
1384.2	5.33	4.22	3.86	4.77	2.10	1.27	755.0	1.43	1.51	1.67
1521.1	6.49	5.17	4.53	4.64	2.12	1.24	800.0	1.43	1.49	1.67
1600.0	6.26	5.03	4.53	4.89	2.16	1.24	829.5	1.41	1.49	1.67
1657.9	6.26	5.17	4.53	4.77	2.25	1.20	850.0	1.43	1.49	1.68
1794.7	5.85	4.77	4.32	5.03	2.20	1.22	900.0	1.39	1.47	1.67
1931.6	5.17	4.42	4.12	5.66	2.25	1.35	904.0	1.39	1.47	1.68
2000.0	5.33	4.53	4.12	5.33	2.20	1.46	950.0	1.36	1.46	1.69
2068.4	5.33	4.53	4.22	5.03	2.16	1.62	978.5	1.32	1.45	1.69
2100.0	5.33	4.77	4.32	5.03	2.20	1.71	1000.0	1.30	1.44	1.70
2205.3	5.33	4.64	4.22	4.64	2.40	2.03	1053.0	1.25	1.43	1.68
2342.1	5.03	4.22	3.86	3.71	2.16	2.30	1127.5	1.21	1.40	1.64
2478.9	5.03	4.32	3.86	2.61	2.06	2.46	1202.0	1.18	1.36	1.58
2500.0	5.03	4.42	3.95	2.49	2.03	2.49	1276.5	1.16	1.34	1.54
2600.0	4.89	4.32	3.86	2.03	1.97	2.61	1351.0	1.17	1.31	1.50