

Frequency Mixer

ADE-ED6110/2

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
1458.3	2258.3	9.56	8.06	7.36	2258.3	27.6	28.5	28.8	19.2	18.0	17.5
1550.0	2350.0	8.77	7.27	6.67	2350.0	27.0	27.9	28.3	19.8	18.8	18.1
1641.7	2441.7	8.14	6.64	6.14	2441.7	26.7	27.5	27.9	20.1	19.3	18.5
1733.3	2533.3	7.49	6.09	5.69	2533.3	26.4	26.9	27.4	20.0	19.4	18.7
1825.0	2625.0	6.74	5.64	5.54	2625.0	26.1	26.6	27.0	19.7	19.3	18.9
1916.7	2716.7	6.36	5.56	5.36	2716.7	26.1	27.1	27.3	20.8	20.6	20.5
2000.0	2800.0	6.48	5.68	5.38	2800.0	26.2	27.7	28.1	22.4	22.5	22.5
2008.3	2808.3	6.42	5.62	5.42	2808.3	26.3	27.6	28.1	22.6	22.7	22.7
2100.0	2900.0	6.74	5.64	5.34	2900.0	27.0	28.4	29.2	23.9	24.1	24.3
2191.7	2991.7	6.77	5.57	5.27	2991.7	28.0	29.3	30.2	24.7	25.2	25.4
2283.3	3083.3	6.83	5.63	5.33	3083.3	28.9	29.9	30.9	25.7	26.4	26.5
2375.0	3175.0	6.96	5.86	5.86	3175.0	30.0	30.5	31.5	26.2	27.5	28.3
2466.7	3266.7	7.12	6.32	6.52	3266.7	31.5	32.0	32.9	26.2	27.4	28.4
2530.0	3330.0	7.13	6.63	6.93	3330.0	32.2	33.3	34.3	25.9	27.1	28.4
2558.3	3358.3	7.35	6.65	6.85	3358.3	32.1	33.8	34.6	26.3	27.4	28.6
2650.0	3450.0	7.69	6.79	7.09	3450.0	32.0	33.4	34.3	27.5	28.6	30.0
2741.7	3541.7	8.07	6.87	7.07	3541.7	33.2	33.9	34.4	29.4	30.2	31.7
2800.0	3600.0	8.25	6.85	7.05	3600.0	34.6	35.2	35.7	30.4	31.1	32.6
2830.0	3630.0	8.46	6.86	6.96	3630.0	35.7	36.1	36.7	30.7	31.3	32.7
2925.0	3725.0	9.02	7.22	7.02	3725.0	38.0	38.0	39.0	31.2	32.0	33.4

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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
2258.3	1.52	1.05	1.29	6.49	5.33	4.89	14.1	1.99	1.76	1.65
2350.0	1.58	1.28	1.61	4.53	3.64	3.38	27.4	1.94	1.74	1.63
2441.7	1.78	1.68	2.12	3.21	2.58	2.37	53.1	1.97	1.77	1.66
2533.3	2.14	2.12	2.65	2.58	2.14	1.96	103.0	1.97	1.77	1.67
2625.0	2.61	2.55	3.16	2.32	1.92	1.80	199.7	1.99	1.80	1.68
2716.7	2.96	2.72	3.21	2.12	1.85	1.77	387.1	1.99	1.80	1.66
2800.0	3.26	2.65	2.96	2.06	1.84	1.80	400.0	2.04	1.81	1.67
2808.3	3.26	2.68	3.01	2.03	1.82	1.78	530.0	1.94	1.68	1.54
2900.0	3.64	2.61	2.88	1.99	1.85	1.85	750.5	1.44	1.27	1.17
2991.7	4.12	2.76	2.92	1.94	1.85	1.88	825.5	1.30	1.16	1.08
3083.3	4.64	2.84	2.96	1.96	1.94	2.01	900.4	1.15	1.07	1.12
3175.0	5.85	2.72	2.68	2.03	2.25	2.49	975.4	1.05	1.20	1.31
3266.7	7.60	3.11	2.92	2.18	2.84	3.11	1000.0	1.08	1.26	1.39
3330.0	10.89	3.71	3.21	2.35	3.01	3.32	1050.3	1.17	1.41	1.55
3358.3	9.69	3.44	3.01	2.43	3.16	3.50	1125.3	1.29	1.62	1.81
3450.0	8.72	3.38	2.88	2.61	3.57	3.95	1200.2	1.46	1.88	2.08
3541.7	7.60	3.21	2.72	2.65	3.50	3.95	1275.2	1.63	2.16	2.40
3600.0	7.28	3.06	2.61	2.65	3.44	3.79	1330.0	1.76	2.35	2.61
3630.0	7.60	3.01	2.55	2.65	3.38	3.71	1350.1	1.85	2.46	2.72
3725.0	7.94	3.44	2.80	2.88	3.26	3.44	1400.0	2.01	2.72	3.06