

Frequency Mixer

ADE-ED6906/2

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
132.5	238.5	8.29	7.59	7.29	238.5	49.8	51.0	52.3	41.9	42.0	42.8
264.1	370.1	6.83	6.53	6.23	370.1	44.7	46.1	47.3	38.2	39.3	40.3
395.6	501.6	6.50	6.20	6.00	501.6	40.7	42.0	43.4	35.1	36.7	38.5
527.1	633.1	6.56	6.26	5.96	633.1	40.2	41.4	42.9	32.6	34.4	36.1
658.6	764.6	6.34	6.04	5.84	764.6	37.7	39.1	40.5	31.5	33.2	34.8
780.0	886.0	6.02	5.62	5.42	886.0	34.4	35.9	37.2	30.4	32.5	33.4
795.0	901.0	5.83	5.53	5.33	901.0	33.9	35.4	36.9	30.5	33.0	34.3
804.0	910.0	5.87	5.57	5.37	910.0	33.4	35.0	36.8	30.3	33.1	34.7
814.0	920.0	5.79	5.49	5.29	920.0	33.0	34.6	36.5	29.9	32.9	35.2
825.0	931.0	5.85	5.55	5.35	931.0	32.6	34.2	36.2	29.8	32.8	35.2
840.0	946.0	5.79	5.49	5.39	946.0	32.2	33.8	35.9	29.3	32.1	34.8
850.0	956.0	5.83	5.63	5.53	956.0	31.9	33.7	35.7	29.1	31.8	34.3
921.7	1027.7	6.57	6.07	5.67	1027.7	31.5	33.3	35.6	27.6	29.8	32.3
1053.2	1159.2	7.57	6.77	5.87	1159.2	31.2	33.3	35.3	26.0	28.1	30.8
1184.7	1290.7	7.73	6.73	5.83	1290.7	32.2	34.9	37.2	24.8	26.1	28.3
1316.3	1422.3	7.36	6.36	5.56	1422.3	31.7	33.7	35.4	27.1	29.2	30.8
1447.8	1553.8	6.09	5.49	5.09	1553.8	31.7	33.1	34.8	24.1	26.6	30.1
1579.3	1685.3	6.54	5.94	5.54	1685.3	31.3	32.2	34.3	23.7	26.2	29.8
1710.8	1816.8	8.71	8.11	7.51	1816.8	31.7	32.4	34.1	23.5	26.3	29.3
1800.0	1906.0	8.70	8.70	8.60	1906.0	31.5	32.0	32.8	24.6	27.4	30.5

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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
238.5	8.31	5.03	5.85	3.38	3.11	2.96	10.0	1.71	1.38	1.14
370.1	2.84	3.21	4.64	2.32	2.23	2.14	11.6	1.73	1.38	1.14
501.6	2.25	3.11	4.89	1.99	1.92	1.87	21.5	1.67	1.36	1.13
633.1	1.97	2.92	4.53	1.92	1.87	1.82	30.0	1.69	1.37	1.14
764.6	1.99	2.96	4.77	1.84	1.77	1.70	39.6	1.71	1.38	1.14
886.0	2.04	3.11	4.89	1.65	1.60	1.58	50.0	1.68	1.36	1.14
901.0	2.04	2.96	4.53	1.63	1.59	1.58	73.1	1.68	1.37	1.14
910.0	2.03	2.92	4.42	1.60	1.56	1.55	80.0	1.68	1.36	1.14
920.0	2.01	2.96	4.53	1.61	1.57	1.56	100.0	1.65	1.35	1.14
931.0	2.06	3.06	4.77	1.60	1.56	1.56	120.0	1.65	1.35	1.14
946.0	2.14	3.26	5.33	1.61	1.59	1.59	135.0	1.66	1.35	1.14
956.0	2.18	3.32	5.49	1.63	1.60	1.60	150.0	1.61	1.32	1.13
1027.7	2.27	3.38	5.66	1.84	1.76	1.71	249.3	1.59	1.32	1.13
1159.2	2.40	3.64	5.66	1.88	1.75	1.56	460.3	1.74	1.44	1.26
1290.7	2.16	3.11	4.64	1.96	1.71	1.50	506.2	1.77	1.48	1.30
1422.3	2.16	2.92	4.32	2.01	1.76	1.56	552.1	1.81	1.53	1.35
1553.8	2.04	2.72	3.71	2.10	1.97	1.84	598.0	1.85	1.57	1.40
1685.3	2.46	3.01	4.22	2.65	2.49	2.32	644.0	1.88	1.62	1.45
1816.8	3.01	3.44	4.53	3.79	3.57	3.26	689.9	1.91	1.65	1.51
1906.0	3.64	4.22	5.49	3.86	3.86	3.86	735.8	1.92	1.69	1.54