

Frequency Mixer

ADE-EDR4554/2

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
880.1	1000.1	6.63	6.16	5.87	800.0	31.8	31.9	31.8	34.9	33.2	31.9
885.1	1014.4	6.72	6.22	5.94	823.7	31.7	31.9	31.7	34.2	32.6	31.2
890.1	1028.7	6.84	6.30	5.98	847.4	31.8	32.0	32.0	34.5	32.8	31.3
895.1	1043.0	6.74	6.21	5.94	871.1	31.9	32.1	32.1	34.3	32.3	30.8
900.1	1057.3	6.80	6.27	6.00	894.7	31.6	32.0	32.1	34.6	32.5	30.9
905.1	1071.5	6.90	6.40	6.13	918.4	31.3	31.9	32.1	34.5	32.6	30.9
910.1	1085.8	6.85	6.29	6.04	942.1	31.4	31.9	32.3	35.1	32.7	30.8
915.0	1100.1	6.81	6.26	6.01	1000.0	31.1	31.8	32.6	33.7	32.0	30.3
1000.1	880.1	6.87	6.37	6.07	1036.8	31.0	31.8	32.6	32.7	31.0	29.3
1014.4	885.1	6.91	6.41	6.10	1060.5	30.4	31.6	32.6	31.3	30.1	28.7
1028.7	890.1	7.03	6.48	6.18	1084.2	30.7	31.9	33.0	30.8	29.8	28.6
1043.0	895.1	7.16	6.50	6.19	1100.0	30.7	32.0	33.1	30.3	29.4	28.3
1057.2	900.1	7.13	6.54	6.22	1131.6	30.6	32.1	33.4	29.5	28.6	27.6
1071.5	905.1	7.13	6.56	6.24	1178.9	30.5	32.3	33.8	28.5	27.8	27.0
1085.8	910.1	7.09	6.52	6.19	1202.6	30.5	32.5	34.1	27.9	27.4	26.6
1100.1	915.1	7.10	6.53	6.20	1250.0	31.0	33.0	35.0	27.1	26.7	26.0

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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
811.0	2.86	2.67	2.56	1.35	1.20	1.78	1.0	1.44	1.21	1.09
867.0	2.67	2.48	2.37	1.38	1.17	1.73	21.0	1.47	1.22	1.08
895.0	2.66	2.47	2.36	1.38	1.16	1.68	41.0	1.43	1.18	1.05
923.0	2.50	2.31	2.21	1.42	1.15	1.68	63.0	1.44	1.20	1.07
951.0	2.44	2.26	2.19	1.41	1.15	1.64	83.0	1.46	1.22	1.09
1007.0	2.28	2.11	2.02	1.44	1.15	1.65	103.0	1.45	1.21	1.08
1035.0	2.29	2.11	2.01	1.41	1.13	1.58	123.0	1.44	1.20	1.06
1065.0	2.24	2.08	1.98	1.44	1.13	1.57	145.0	1.40	1.16	1.05
1093.0	2.12	1.96	1.87	1.44	1.12	1.62	165.0	1.41	1.19	1.09
1121.0	2.10	1.95	1.86	1.43	1.11	1.57	185.0	1.43	1.20	1.09
1149.0	2.08	1.92	1.85	1.48	1.12	1.60	205.0	1.41	1.19	1.08
1177.0	1.99	1.84	1.74	1.47	1.12	1.57	227.0	1.39	1.16	1.06
1205.0	1.91	1.78	1.70	1.49	1.12	1.56	247.0	1.35	1.14	1.07
1233.0	1.91	1.78	1.70	1.50	1.12	1.59	267.0	1.37	1.16	1.10
1261.0	1.82	1.69	1.63	1.45	1.11	1.55	287.0	1.37	1.17	1.10