

Frequency Mixer

JMS-ED5689/2

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
175.3	205.3	8.21	6.81	6.61	205.3	38.5	37.6	38.0	44.0	44.0	44.2
330.5	360.5	7.34	6.84	6.64	360.5	38.2	37.3	36.2	40.7	40.6	40.6
485.8	515.8	7.38	6.98	6.78	515.8	37.7	34.7	33.6	38.6	38.5	38.2
641.1	671.1	7.67	7.17	6.97	671.1	32.8	31.0	30.4	37.2	37.0	36.8
796.3	826.3	8.05	7.55	7.35	826.3	29.3	28.4	28.1	36.2	36.1	35.9
951.6	981.6	8.47	8.07	7.87	981.6	27.2	27.1	26.9	36.6	36.3	35.9
1106.8	1136.8	8.00	7.50	7.30	1136.8	23.8	25.1	25.6	38.5	38.2	37.6
1262.1	1292.1	8.21	7.51	7.21	1292.1	21.8	23.9	24.4	41.0	40.3	39.8
1417.4	1447.4	8.41	7.91	7.61	1447.4	21.2	23.8	24.0	51.1	44.8	42.1
1500.0	1530.0	8.31	7.81	7.61	1530.0	22.0	24.0	24.4	67.7	46.4	42.6
1550.0	1580.0	8.26	7.86	7.76	1580.0	22.4	24.3	24.7	51.0	46.2	42.6
1575.0	1605.0	8.22	7.82	7.62	1605.0	22.3	24.2	24.5	47.3	44.7	41.9
1600.0	1630.0	8.29	7.89	7.69	1630.0	22.3	24.2	24.7	45.2	44.3	41.7
1727.9	1757.9	8.44	8.04	7.94	1757.9	22.2	24.5	25.6	38.2	41.2	40.7
1883.2	1913.2	8.87	8.37	8.17	1913.2	22.2	25.2	27.0	34.2	38.2	40.3
2038.4	2068.4	9.13	8.53	8.33	2068.4	22.9	26.2	28.6	34.2	38.0	40.6
2193.7	2223.7	9.58	8.98	8.88	2223.7	25.8	28.7	31.0	37.3	40.9	44.0
2348.9	2378.9	10.33	9.53	9.43	2378.9	28.4	30.3	31.1	42.4	43.8	42.9
2504.2	2534.2	11.22	10.32	10.22	2534.2	28.5	28.6	29.1	37.6	37.0	36.2
2545.0	2575.0	11.67	10.47	10.37	2575.0	28.4	28.3	28.5	35.8	35.3	34.9

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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)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10
205.3	13.39	6.49	5.85	1.64	1.10	1.04	1.0	2.08	2.04	2.04
360.5	3.50	3.95	5.03	1.32	1.15	1.09	1.5	1.80	1.76	1.77
515.8	2.32	3.57	4.77	1.45	1.32	1.27	3.5	1.38	1.32	1.34
671.1	2.03	3.26	4.53	1.68	1.57	1.52	5.0	1.30	1.22	1.24
826.3	2.08	3.38	4.42	1.85	1.78	1.75	8.7	1.23	1.12	1.15
981.6	2.40	3.79	5.03	1.78	1.78	1.80	10.0	1.22	1.10	1.13
1136.8	2.76	4.22	5.49	2.01	1.92	1.94	21.1	1.18	1.02	1.09
1292.1	3.01	4.42	5.49	2.68	2.43	2.27	30.0	1.16	1.01	1.10
1447.4	3.01	4.32	5.66	2.16	2.12	2.08	51.6	1.14	1.05	1.12
1530.0	3.16	4.22	5.49	1.99	1.96	1.94	125.9	1.10	1.09	1.16
1580.0	3.21	4.12	5.33	1.92	1.91	1.92	307.3	1.11	1.18	1.26
1605.0	3.16	4.12	5.33	1.87	1.85	1.87	500.0	1.30	1.45	1.54
1630.0	3.16	4.03	5.03	1.80	1.80	1.81	750.1	1.71	1.94	2.04
1757.9	3.71	4.22	5.03	1.66	1.66	1.67	825.0	1.88	2.12	2.25
1913.2	4.77	4.89	5.85	1.59	1.57	1.60	900.0	2.14	2.40	2.52
2068.4	6.49	5.85	7.00	1.44	1.44	1.51	975.0	2.46	2.72	2.84
2223.7	8.31	7.00	7.28	1.30	1.29	1.36	1000.0	2.55	2.80	2.88
2378.9	9.18	6.26	6.49	1.22	1.16	1.26	1050.0	2.68	2.88	3.01
2534.2	7.28	5.49	5.33	1.23	1.16	1.25	1125.0	2.68	2.84	2.96
2575.0	6.73	5.03	4.89	1.30	1.20	1.27	1200.0	2.58	2.65	2.72