

Frequency Mixer

TFM-ED6598/1

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
20.0	50.0	7.86	7.56	7.36	50.0	39.1	43.8	47.8	30.3	32.6	35.0
50.0	80.0	7.37	7.07	6.87	80.0	41.6	46.5	50.1	31.8	34.7	37.3
169.4	199.4	7.27	6.97	6.87	199.4	45.1	49.5	52.6	33.6	37.2	39.9
337.7	367.7	7.36	7.06	6.86	367.7	45.7	47.1	48.1	34.5	37.1	37.5
506.1	536.1	7.30	7.00	6.80	536.1	41.7	43.3	43.9	35.9	36.4	36.2
674.5	704.5	7.29	6.99	6.89	704.5	40.1	41.1	41.2	34.3	34.0	33.6
842.8	872.8	6.58	6.18	6.08	872.8	38.8	39.8	39.6	33.5	32.6	31.9
1000.0	1030.0	6.75	6.45	6.35	1030.0	38.7	39.4	39.1	32.0	30.4	29.4
1011.2	1041.2	6.83	6.53	6.43	1041.2	38.6	39.4	39.0	32.1	30.2	29.1
1179.6	1209.6	7.49	7.09	6.79	1209.6	36.1	37.2	37.3	31.6	29.2	27.9
1347.9	1377.9	7.83	7.33	7.13	1377.9	36.1	37.5	38.0	31.2	28.8	27.5
1500.0	1530.0	7.86	7.56	7.26	1530.0	34.5	36.3	37.6	30.8	28.7	27.3
1516.3	1546.3	8.11	7.61	7.31	1546.3	33.7	36.0	37.2	30.8	28.5	27.0
1600.0	1630.0	8.04	7.74	7.54	1630.0	34.2	36.2	37.2	31.1	28.7	27.1
1670.0	1700.0	8.41	8.01	7.71	1700.0	33.2	35.0	36.3	31.4	29.1	27.5
1684.7	1714.7	8.49	7.89	7.59	1714.7	33.0	34.7	35.9	31.6	28.9	27.3
1800.0	1830.0	8.95	8.35	8.05	1830.0	32.3	33.9	34.9	32.4	29.4	27.5
1853.1	1883.1	8.96	8.36	8.06	1883.1	32.2	33.5	34.5	32.8	29.9	28.2
2021.4	2051.4	8.66	8.06	7.76	2051.4	31.0	32.1	32.7	34.0	31.4	30.0
2189.8	2219.8	8.41	7.91	7.61	2219.8	30.4	31.0	31.1	38.3	35.5	33.6

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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)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
50.0	1.50	1.54	1.58	1.84	2.61	3.64	89.9	1.21	1.35	1.44
80.0	1.19	1.25	1.30	1.75	2.55	3.57	178.8	1.17	1.30	1.39
199.4	1.02	1.10	1.17	1.67	2.43	3.26	267.7	1.17	1.30	1.38
367.7	1.17	1.18	1.22	1.59	2.20	3.01	300.0	1.17	1.30	1.38
536.1	1.30	1.30	1.31	1.43	1.99	2.68	356.6	1.17	1.30	1.38
704.5	1.41	1.39	1.38	1.31	1.82	2.40	445.5	1.17	1.29	1.37
872.8	1.59	1.55	1.53	1.27	1.59	2.14	500.0	1.16	1.28	1.36
1030.0	1.68	1.62	1.59	1.23	1.35	1.81	534.4	1.15	1.27	1.35
1041.2	1.70	1.64	1.60	1.25	1.37	1.85	623.3	1.11	1.22	1.29
1209.6	2.08	1.97	1.91	1.28	1.23	1.67	712.2	1.08	1.17	1.23
1377.9	2.58	2.43	2.32	1.37	1.38	1.71	801.1	1.07	1.13	1.19
1530.0	2.76	2.61	2.49	1.51	1.61	1.89	889.9	1.10	1.14	1.19
1546.3	2.76	2.61	2.49	1.52	1.62	1.94	978.8	1.13	1.16	1.21
1630.0	2.80	2.65	2.55	1.59	1.78	2.16	1000.0	1.13	1.16	1.21
1700.0	2.80	2.65	2.55	1.66	1.92	2.35	1067.7	1.13	1.15	1.19
1714.7	2.76	2.61	2.55	1.64	1.94	2.37	1156.6	1.15	1.15	1.18
1830.0	2.88	2.72	2.58	1.81	2.20	2.80	1245.5	1.17	1.15	1.16
1883.1	2.84	2.68	2.58	1.87	2.30	2.88	1334.4	1.18	1.14	1.13
2051.4	2.65	2.46	2.35	2.18	2.68	3.44	1423.3	1.24	1.16	1.13
2219.8	2.49	2.32	2.18	2.46	3.16	3.86	1512.2	1.30	1.22	1.17