

Frequency Mixer

MCA-ED11088A/1

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			LO (MHz)	RF (MHz)	IP3 Input (dBm)
		@LO (dBm)				@LO (dBm)			@LO (dBm)					@LO (dBm)
		+10	+13	+17		+10	+13	+17	+10	+13	+17			+13
1650.0	1410.0	8.84	8.12	7.85	1410.0	41.8	41.0	38.4	27.7	30.3	32.9	1410.0	1650.0	10.0
1700.0	1460.0	8.67	8.02	7.82	1460.0	38.4	39.1	40.3	28.9	30.4	30.9	1460.0	1700.0	60.0
1750.0	1510.0	7.89	7.77	7.75	1510.0	35.0	33.9	33.6	27.9	28.4	28.5	1510.0	1750.0	110.0
1800.0	1560.0	7.77	7.70	7.71	1560.0	35.5	33.9	33.2	28.9	29.1	28.8	1560.0	1800.0	160.0
1825.0	1585.0	7.65	7.66	7.74	1585.0	35.4	33.9	33.2	29.2	29.2	29.0	1585.0	1825.0	200.0
1850.0	1610.0	7.68	7.70	7.76	1610.0	36.4	34.7	33.7	29.7	29.8	29.8	1610.0	1850.0	237.5
1863.0	1623.0	7.69	7.69	7.72	1623.0	37.6	35.5	34.3	30.2	30.2	30.3	1623.0	1863.0	238.5
1876.0	1636.0	7.63	7.68	7.72	1636.0	39.0	36.6	35.2	30.5	30.6	30.7	1636.0	1876.0	239.5
1889.0	1649.0	7.63	7.61	7.64	1649.0	41.0	38.2	36.5	30.8	31.0	31.2	1649.0	1889.0	240.5
1902.0	1662.0	7.55	7.56	7.61	1662.0	42.8	39.7	37.9	31.2	31.4	31.7	1662.0	1902.0	241.5
1915.0	1675.0	7.55	7.58	7.68	1675.0	45.6	42.0	39.9	31.6	32.0	32.3	1675.0	1915.0	242.5
1940.0	1700.0	7.73	7.76	7.89	1700.0	50.4	50.2	47.8	33.0	33.3	33.6	1700.0	1940.0	290.0
1965.0	1725.0	7.83	7.82	7.95	1725.0	44.4	45.5	44.9	34.6	34.9	35.2	1725.0	1965.0	320.0
2015.0	1775.0	7.78	7.70	7.76	1775.0	40.7	42.0	42.6	38.1	39.0	39.7	1775.0	2015.0	370.0
2065.0	1825.0	8.07	7.78	7.72	1825.0	39.9	40.9	41.5	42.0	43.0	44.2	1825.0	2065.0	420.0
2115.0	1875.0	8.51	8.10	7.93	1875.0	39.1	40.4	41.4	45.4	46.2	45.7	1875.0	2115.0	470.0

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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	+17	+10	+13	+17		+10	+13	+17
1410.0	1.74	1.24	1.14	13.70	13.19	12.18	10.0	1.20	1.14	1.50
1460.0	1.33	1.06	1.34	7.66	7.25	6.68	60.0	1.18	1.25	1.58
1510.0	1.15	1.32	1.57	6.83	5.99	5.44	110.0	1.31	1.45	1.70
1560.0	1.28	1.47	1.72	3.89	3.65	3.45	160.0	1.49	1.57	1.77
1585.0	1.39	1.58	1.80	3.45	3.25	3.15	200.0	1.65	1.72	1.87
1610.0	1.44	1.62	1.84	3.42	3.32	3.27	237.5	1.78	1.81	1.91
1623.0	1.46	1.64	1.86	3.48	3.40	3.37	238.5	1.80	1.81	1.91
1636.0	1.49	1.67	1.89	3.43	3.40	3.43	239.5	1.81	1.81	1.90
1649.0	1.52	1.69	1.91	3.36	3.38	3.47	240.5	1.83	1.82	1.90
1662.0	1.55	1.71	1.93	3.45	3.55	3.71	241.5	1.84	1.83	1.90
1675.0	1.57	1.74	1.95	3.87	4.03	4.28	242.5	1.85	1.84	1.90
1700.0	1.62	1.79	2.04	6.01	6.15	6.39	290.0	2.08	2.03	2.07
1725.0	1.66	1.83	2.07	6.32	6.58	6.94	320.0	2.23	2.12	2.13
1775.0	1.74	1.87	2.11	13.49	13.70	13.70	370.0	2.52	2.38	2.32
1825.0	1.89	1.96	2.16	8.81	9.63	10.02	420.0	2.78	2.56	2.45
1875.0	2.07	2.08	2.24	15.67	14.15	13.81	470.0	2.97	2.68	2.50