

Frequency Mixer

HJK-ED9291

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			LO (MHz)	RF (MHz)	IP-3 Input (dBm)
		@LO (dBm)				@LO (dBm)			@LO (dBm)					@LO (dBm)
		+10	+13	+16		+10	+13	+16	+10	+13	+16			+13
1490.0	1590.0	6.73	6.30	6.07	1590.0	29.7	28.8	28.0	30.4	30.0	29.6	1590.0	1490.0	27.9
1495.0	1595.0	6.70	6.31	6.12	1595.0	29.5	28.5	27.8	30.1	29.6	29.2	1595.0	1495.0	28.2
1500.0	1600.0	6.66	6.31	6.16	1600.0	29.3	28.3	27.6	29.7	29.2	28.7	1600.0	1500.0	28.0
1510.0	1610.0	6.58	6.31	6.21	1610.0	28.9	28.0	27.2	29.1	28.5	28.1	1610.0	1510.0	28.7
1520.0	1620.0	6.56	6.31	6.22	1620.0	28.8	27.9	27.1	28.8	28.2	27.7	1620.0	1520.0	29.4
1530.0	1630.0	6.61	6.36	6.27	1630.0	28.8	27.9	27.2	28.7	28.0	27.6	1630.0	1530.0	29.2
1540.0	1640.0	6.67	6.41	6.30	1640.0	28.7	28.0	27.2	28.6	27.9	27.5	1640.0	1540.0	29.9
1550.0	1650.0	6.66	6.41	6.31	1650.0	28.7	27.9	27.1	28.5	27.9	27.4	1650.0	1550.0	30.5
1560.0	1660.0	6.68	6.44	6.35	1660.0	28.6	27.8	27.0	28.5	27.8	27.3	1660.0	1560.0	30.0
1580.0	1680.0	6.74	6.58	6.56	1680.0	28.0	27.4	26.7	28.3	27.8	27.2	1680.0	1580.0	31.1
1590.0	1690.0	6.68	6.55	6.55	1690.0	27.9	27.3	26.7	28.5	27.9	27.4	1690.0	1590.0	31.8
1600.0	1700.0	6.70	6.55	6.53	1700.0	27.9	27.3	26.7	28.7	28.2	27.7	1700.0	1600.0	30.4
1605.0	1705.0	6.73	6.57	6.55	1705.0	27.9	27.4	26.8	29.0	28.4	28.0	1705.0	1605.0	30.9
1610.0	1710.0	6.81	6.64	6.60	1710.0	27.9	27.5	26.9	29.0	28.6	28.2	1710.0	1610.0	30.8

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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
1590.0	1.97	1.78	1.72	4.28	3.90	3.60	40.0	1.27	1.11	1.07
1595.0	1.94	1.77	1.73	4.05	3.69	3.41	45.0	1.28	1.12	1.08
1600.0	1.92	1.76	1.73	3.78	3.44	3.22	50.0	1.29	1.13	1.09
1610.0	1.89	1.76	1.75	3.30	3.04	2.85	55.0	1.30	1.14	1.10
1620.0	1.90	1.79	1.79	2.89	2.71	2.55	60.0	1.30	1.14	1.11
1630.0	1.92	1.83	1.84	2.59	2.45	2.31	65.0	1.30	1.15	1.12
1640.0	1.94	1.86	1.88	2.38	2.25	2.13	70.0	1.30	1.15	1.12
1650.0	1.94	1.89	1.92	2.22	2.10	1.99	75.0	1.30	1.15	1.12
1660.0	1.92	1.89	1.94	2.08	1.97	1.86	80.0	1.31	1.16	1.12
1680.0	1.88	1.88	1.95	1.84	1.74	1.65	90.0	1.31	1.18	1.14
1690.0	1.88	1.90	1.96	1.71	1.63	1.57	95.0	1.33	1.19	1.15
1700.0	1.91	1.93	2.00	1.62	1.55	1.51	100.0	1.33	1.20	1.16
1705.0	1.92	1.95	2.02	1.57	1.52	1.49	105.0	1.35	1.22	1.18
1710.0	1.95	1.98	2.06	1.54	1.50	1.47	110.0	1.36	1.23	1.19