

# Frequency Mixer

# LRMS-11AJ

## 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
1500.0	1699.0	6.97	6.31	5.89	1500.0	25.4	25.2	25.1	21.1	21.1	20.6
1530.0	1729.0	6.83	6.20	5.82	1530.0	25.1	25.0	24.8	21.5	21.6	20.9
1560.0	1759.0	6.82	6.25	5.90	1560.0	25.1	25.0	24.9	22.1	22.3	21.5
1580.0	1779.0	6.69	6.10	5.74	1580.0	25.0	25.0	24.8	22.4	22.5	21.6
1590.0	1789.0	6.70	6.10	5.74	1590.0	24.9	24.9	24.7	22.7	22.8	21.9
1620.0	1819.0	6.80	6.31	5.93	1620.0	24.7	24.8	24.7	23.3	23.5	22.5
1650.0	1849.0	6.69	6.21	5.81	1650.0	24.4	24.6	24.6	24.0	24.3	23.1
1670.0	1869.0	6.80	6.41	6.04	1670.0	24.3	24.5	24.5	24.4	24.6	23.4
1680.0	1879.0	6.89	6.53	6.15	1680.0	24.2	24.4	24.4	24.7	24.9	23.7
1710.0	1511.0	6.38	6.07	6.05	1710.0	24.2	24.4	24.4	25.6	25.8	24.4
1740.0	1541.0	6.69	6.40	6.35	1740.0	24.0	24.3	24.3	26.5	26.9	25.4
1760.0	1561.0	7.11	6.74	6.62	1760.0	24.0	24.3	24.4	27.2	27.6	26.0
1770.0	1571.0	7.16	6.77	6.63	1770.0	24.0	24.3	24.4	27.5	28.2	26.4
1800.0	1601.0	7.38	7.00	6.83	1800.0	24.2	24.4	24.7	28.8	29.8	27.7
1830.0	1631.0	8.04	7.61	7.32	1830.0	24.3	24.5	24.8	30.1	31.7	29.4
1850.0	1651.0	8.02	7.60	7.29	1850.0	24.6	24.7	25.0	30.9	33.2	30.7
1860.0	1661.0	8.09	7.67	7.39	1860.0	24.7	24.8	25.1	31.2	34.1	31.6
1880.0	1681.0	8.62	8.19	7.92	1880.0	25.1	25.1	25.4	31.3	35.7	33.5
1890.0	1691.0	8.86	8.39	8.10	1890.0	25.4	25.3	25.5	31.1	36.2	34.4
1900.0	1701.0	8.93	8.44	8.14	1900.0	25.5	25.4	25.6	30.8	36.3	35.3

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# Frequency Mixer

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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
1500.0	1.44	1.65	1.89	3.11	2.37	1.79	40.0	2.06	1.84	1.73
1531.0	1.43	1.68	1.94	3.17	2.38	1.76	67.0	2.06	1.88	1.74
1562.0	1.50	1.78	2.04	3.10	2.34	1.74	77.8	2.04	1.88	1.78
1572.0	1.52	1.80	2.07	3.12	2.35	1.74	104.8	2.08	1.90	1.74
1592.0	1.57	1.86	2.12	3.13	2.34	1.73	122.8	2.11	1.94	1.77
1623.0	1.71	2.00	2.27	3.05	2.31	1.70	131.8	2.11	1.94	1.77
1644.0	1.80	2.09	2.35	3.07	2.31	1.67	160.6	2.12	1.95	1.80
1654.0	1.87	2.15	2.42	3.06	2.30	1.66	187.6	2.12	1.96	1.82
1685.0	2.07	2.36	2.60	3.16	2.33	1.63	196.6	2.13	1.97	1.84
1715.0	2.40	2.71	2.95	3.21	2.33	1.60	214.6	2.12	1.98	1.85
1726.0	3.05	3.56	4.01	3.17	2.30	1.59	225.4	2.12	1.98	1.87
1746.0	2.36	2.61	2.80	3.15	2.28	1.58	252.4	2.13	2.02	1.91
1777.0	2.57	2.77	2.93	3.10	2.23	1.56	279.4	2.10	2.07	2.01
1800.0	2.70	2.89	3.02	3.03	2.19	1.55	299.2	2.13	2.05	1.97
1808.0	2.76	2.93	3.07	3.02	2.18	1.54	308.2	2.13	2.06	2.00
1838.0	2.94	3.10	3.21	2.97	2.14	1.52	335.2	2.11	2.06	2.01
1869.0	3.13	3.25	3.31	2.87	2.08	1.51	362.2	2.14	2.11	2.14
1879.0	3.19	3.26	3.33	2.86	2.06	1.50	382.0	2.09	2.10	2.12
1890.0	3.27	3.33	3.38	2.84	2.05	1.49	391.0	2.10	2.12	2.12
1900.0	3.32	3.37	3.41	2.81	2.03	1.48	400.0	2.15	1.99	2.24

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