

Frequency Mixer

ADE-EDR4970/2

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
1350.1	1650.1	7.57	7.08	6.78	1300.1	24.4	24.4	24.5	29.7	29.0	28.0
1360.1	1670.1	7.65	7.11	6.80	1350.1	24.6	24.2	24.3	29.1	28.5	27.8
1370.1	1690.1	7.74	7.16	6.83	1380.1	24.6	24.1	24.2	28.4	28.0	27.3
1380.1	1710.1	7.88	7.26	6.90	1387.2	24.6	24.1	24.1	28.4	28.0	27.4
1390.1	1730.1	7.95	7.31	6.96	1394.3	24.7	24.1	24.1	28.3	27.9	27.4
1400.1	1750.1	8.14	7.47	7.07	1401.4	24.7	24.1	24.0	28.2	27.7	27.1
1410.1	1710.1	7.91	7.23	6.85	1408.4	24.8	24.1	24.0	28.2	27.6	26.9
1420.1	1730.1	8.01	7.31	6.90	1415.5	24.9	24.1	24.0	28.2	27.6	26.9
1430.1	1750.1	8.00	7.32	6.89	1422.6	24.9	24.1	24.0	28.3	27.7	27.0
1440.1	1770.1	8.19	7.52	7.14	1429.7	24.9	24.1	24.0	28.3	27.8	27.3
1445.1	1785.1	8.22	7.55	7.14	1436.8	24.9	24.2	24.1	28.2	27.8	27.4
1465.1	1815.1	8.51	7.87	7.47	1443.9	24.8	24.2	24.1	28.1	27.7	27.4
1465.1	1765.1	8.15	7.46	7.05	1450.9	24.7	24.2	24.1	27.9	27.6	27.3
1475.1	1785.1	8.39	7.72	7.27	1458.0	24.6	24.1	24.1	27.9	27.4	27.1
1500.1	1820.1	8.54	7.91	7.51	1465.1	24.5	24.1	24.1	27.6	27.4	27.1
1515.1	1845.1	8.68	8.07	7.69	1470.1	24.4	24.0	24.1	27.5	27.4	27.0
1530.1	1870.1	8.74	8.22	7.86	1481.5	24.2	23.9	24.0	27.3	27.3	27.1
1550.1	1900.1	9.19	8.65	8.20	1493.0	24.0	23.8	23.9	27.0	27.0	26.8
1650.1	1350.1	7.98	7.43	7.14	1504.4	24.0	23.8	23.8	26.9	26.8	26.6
1670.1	1360.1	7.99	7.46	7.18	1515.8	24.0	23.8	23.9	26.9	26.7	26.6
1690.1	1370.1	7.97	7.45	7.16	1527.2	23.9	23.8	23.9	26.8	26.7	26.7
1710.1	1380.1	8.07	7.58	7.28	1538.7	23.8	23.7	24.0	26.6	26.5	26.6
1710.1	1410.1	8.03	7.53	7.20	1550.1	23.5	23.7	24.0	26.3	26.2	26.4
1730.1	1390.1	8.16	7.71	7.39	1600.1	22.6	22.9	23.4	25.9	25.7	25.7
1730.1	1420.1	8.20	7.69	7.34	1628.7	22.6	22.8	23.4	26.1	25.9	26.0
1750.1	1400.1	8.22	7.72	7.37	1657.2	22.6	22.9	23.5	26.3	26.1	26.1
1750.1	1430.1	8.26	7.72	7.38	1685.8	22.6	22.9	23.5	26.5	26.3	26.4
1765.1	1465.1	8.12	7.57	7.26	1714.4	22.6	22.8	23.3	26.7	26.5	26.7
1770.1	1440.1	8.28	7.73	7.39	1743.0	22.4	22.6	23.1	26.8	26.7	26.9
1785.1	1445.1	8.27	7.73	7.40	1771.5	22.1	22.4	23.0	26.9	26.9	27.0
1785.1	1475.1	8.21	7.67	7.32	1800.1	22.0	22.2	22.8	27.2	27.1	27.4
1815.1	1465.1	8.40	7.82	7.49	1828.7	21.8	22.1	22.7	27.5	27.5	27.8
1820.1	1500.1	8.38	7.77	7.41	1857.2	21.7	22.0	22.6	28.0	28.0	28.2
1845.1	1515.1	8.43	7.78	7.42	1914.4	21.4	21.9	22.6	28.9	29.2	29.6
1870.1	1530.1	8.45	7.80	7.43	1943.0	21.2	21.9	22.7	29.4	29.8	30.2
1900.1	1550.1	8.61	7.96	7.60	2000.1	20.8	21.6	22.5	29.9	30.7	31.5

Frequency Mixer

ADE-EDR4970/2

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
1300.1	4.06	3.66	3.39	1.68	1.28	1.39	200.1	1.05	1.06	1.08
1342.2	4.01	3.62	3.35	1.84	1.40	1.47	209.0	1.05	1.07	1.08
1380.1	4.27	3.80	3.51	1.87	1.48	1.47	217.9	1.05	1.06	1.08
1400.1	4.27	3.81	3.52	1.94	1.57	1.53	226.8	1.05	1.06	1.08
1420.1	4.39	3.91	3.59	2.03	1.63	1.62	235.7	1.05	1.07	1.08
1440.1	4.67	4.10	3.78	2.03	1.64	1.66	244.5	1.05	1.07	1.08
1450.1	4.66	4.12	3.78	1.98	1.64	1.65	253.4	1.05	1.06	1.08
1465.1	3.71	3.22	2.94	1.96	1.65	1.64	262.3	1.05	1.06	1.08
1510.6	5.05	4.45	4.07	2.03	1.81	1.84	271.2	1.05	1.06	1.08
1531.7	5.07	4.47	4.09	2.02	1.85	1.88	280.1	1.05	1.06	1.08
1552.7	4.81	4.29	3.95	2.00	1.88	1.88	300.1	1.05	1.06	1.08
1573.8	4.87	4.35	4.01	2.05	1.97	1.98	304.3	1.05	1.06	1.08
1594.8	5.10	4.55	4.17	2.12	2.10	2.14	308.4	1.05	1.06	1.08
1615.9	4.83	4.34	4.03	2.13	2.15	2.23	312.6	1.05	1.07	1.08
1636.9	4.57	4.16	3.87	2.12	2.16	2.22	316.8	1.05	1.06	1.08
1658.0	4.64	4.22	3.93	2.14	2.22	2.30	320.9	1.05	1.07	1.08
1679.0	4.66	4.23	3.95	2.18	2.29	2.43	325.1	1.05	1.07	1.08
1700.1	4.36	4.00	3.76	2.20	2.35	2.50	329.3	1.05	1.07	1.08
1710.1	4.24	3.92	3.68	2.20	2.36	2.50	333.4	1.05	1.07	1.08
1720.8	4.22	3.91	3.68	2.20	2.36	2.50	337.6	1.05	1.07	1.08
1731.5	4.26	3.94	3.70	2.20	2.39	2.51	341.8	1.05	1.07	1.08
1742.2	4.30	3.98	3.73	2.22	2.43	2.56	345.9	1.05	1.07	1.08
1753.0	4.29	3.98	3.75	2.24	2.46	2.59	350.1	1.05	1.07	1.08
1763.7	4.23	3.93	3.70	2.26	2.49	2.63	360.1	1.05	1.07	1.08
1774.4	4.12	3.85	3.63	2.28	2.50	2.67	367.6	1.05	1.07	1.08
1785.1	4.06	3.79	3.57	2.30	2.52	2.70	375.1	1.05	1.07	1.08
1790.1	4.06	3.78	3.57	2.31	2.52	2.71	382.6	1.05	1.07	1.08
1809.2	4.16	3.88	3.66	2.35	2.58	2.73	390.1	1.05	1.06	1.08
1828.3	4.19	3.90	3.68	2.39	2.60	2.78	397.6	1.05	1.07	1.08
1847.4	4.10	3.83	3.62	2.45	2.03	2.84	405.1	1.05	1.07	1.08
1866.5	4.09	3.81	3.60	2.50	2.10	2.89	412.6	1.05	1.07	1.08
1885.6	4.26	3.94	3.73	2.57	2.15	2.95	420.1	1.05	1.07	1.08
1904.6	4.31	4.00	3.77	2.63	2.19	2.99	427.6	1.05	1.07	1.08
1923.7	4.17	3.89	3.67	2.66	2.27	3.05	435.1	1.05	1.07	1.08
1961.9	4.37	4.02	3.79	2.79	2.34	3.20	442.6	1.05	1.07	1.08
2000.1	4.19	3.90	3.69	2.74	2.40	3.30	450.1	1.05	1.07	1.08