

Frequency Mixer (Upconverter)

LAVI-U182H+

Typical Performance Data

IF INPUT (MHz)	LO INPUT (MHz)	RF OUTPUT (MHz)	CONVERSION LOSS (dB)			LO-IF ISOLATION (dB)			LO-RF ISOLATION (dB)			IP3 INPUT (dBm)		
			@LO (dBm)			@LO (dBm)			@LO (dBm)			@LO (dBm)		
			+17	+19	+21	+17	+19	+21	+17	+19	+21	+17	+19	+21
70.0	1490.1	1560.1	8.28	8.18	8.11	41.21	41.20	41.16	61.02	59.83	58.40	28.12	30.65	33.84
70.0	1500.1	1570.1	8.27	8.18	8.11	40.98	40.95	40.85	60.55	59.21	57.71	28.52	31.19	34.67
70.0	1550.1	1620.1	8.31	8.23	8.18	38.56	38.32	38.04	57.14	55.88	54.55	30.08	32.91	36.68
70.0	1600.1	1670.1	8.29	8.20	8.15	35.30	35.10	34.89	55.09	54.20	53.15	30.49	33.07	35.77
70.0	1610.1	1680.1	8.29	8.21	8.16	34.81	34.64	34.46	54.57	53.72	52.70	30.98	33.37	35.82
70.0	1620.1	1690.1	8.31	8.22	8.17	34.24	34.08	33.93	53.90	53.06	52.08	30.78	33.47	36.51
70.0	1630.1	1700.1	8.35	8.26	8.20	33.66	33.53	33.40	53.66	52.86	51.96	30.54	33.38	35.16
70.0	1640.1	1710.1	8.38	8.28	8.22	33.13	33.02	32.92	53.68	52.99	52.14	30.07	32.17	35.22
70.0	1650.1	1720.1	8.40	8.30	8.24	32.74	32.64	32.56	53.57	52.92	52.11	29.84	32.67	35.14
70.0	1660.1	1730.1	8.39	8.31	8.24	32.48	32.39	32.33	53.58	52.98	52.22	30.04	32.28	34.47
70.0	1670.1	1740.1	8.42	8.31	8.25	32.10	32.02	31.97	53.47	52.97	52.26	29.53	31.68	34.22
70.0	1680.1	1750.1	8.43	8.34	8.28	31.81	31.74	31.70	53.38	52.96	52.30	29.83	31.93	33.96
70.0	1690.1	1760.1	8.45	8.35	8.28	31.60	31.56	31.53	53.26	52.93	52.40	29.61	31.81	33.49
70.0	1700.1	1770.1	8.47	8.38	8.32	31.51	31.47	31.45	53.28	52.95	52.54	29.14	31.18	33.08
70.0	1730.1	1800.1	8.57	8.46	8.40	31.25	31.22	31.22	52.27	52.18	52.04	28.44	30.24	32.22

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IF INPUT (MHz)	LO INPUT (MHz)	IF VSWR (:1)			LO INPUT (MHz)	LO VSWR (:1)			RF OUTPUT (MHz)	RF VSWR (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+17	+19	+21		+17	+19	+21		+17	+19	+21
10.1	1490.1	1.86	1.94	2.03	1490.1	4.52	4.44	4.36	1560.1	1.96	1.84	1.81
20.1	1500.1	1.88	1.96	2.04	1500.1	4.14	4.07	4.01	1570.1	1.93	1.82	1.79
30.1	1550.1	1.90	1.99	2.07	1550.1	2.61	2.57	2.53	1620.1	1.83	1.74	1.71
40.1	1600.1	1.88	1.97	2.05	1600.1	1.86	1.86	1.86	1670.1	1.72	1.65	1.63
60.1	1610.1	1.87	1.96	2.03	1610.1	1.80	1.82	1.83	1680.1	1.70	1.63	1.61
80.1	1620.1	1.79	1.87	1.95	1620.1	1.79	1.81	1.82	1690.1	1.68	1.62	1.59
100.1	1630.1	1.83	1.91	1.99	1630.1	1.80	1.83	1.86	1700.1	1.67	1.61	1.58
120.1	1640.1	1.79	1.88	1.95	1640.1	1.85	1.89	1.92	1710.1	1.66	1.60	1.57
140.1	1650.1	1.78	1.86	1.93	1650.1	1.93	1.97	2.02	1720.1	1.64	1.58	1.56
160.1	1660.1	1.76	1.83	1.91	1660.1	2.03	2.08	2.13	1730.1	1.64	1.57	1.54
180.1	1670.1	1.70	1.78	1.85	1670.1	2.16	2.21	2.27	1740.1	1.63	1.56	1.53
200.1	1680.1	1.71	1.78	1.85	1680.1	2.30	2.36	2.42	1750.1	1.62	1.54	1.52
220.1	1690.1	1.65	1.72	1.79	1690.1	2.46	2.52	2.59	1760.1	1.61	1.53	1.51
240.1	1700.1	1.64	1.71	1.77	1700.1	2.62	2.69	2.75	1770.1	1.60	1.52	1.49
250.1	1730.1	1.61	1.68	1.74	1730.1	3.21	3.28	3.35	1800.1	1.58	1.49	1.47