

Frequency Mixer

UNCL-L1H

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)		
		+3	+6	+9		+3	+6	+9	+3	+6	+9
10.0	40.0	6.57	6.14	5.97	10.0	44.39	44.45	45.36	37.16	37.68	39.06
20.0	50.0	6.48	6.09	5.94	20.0	44.82	44.60	44.98	34.75	36.60	38.51
50.0	80.0	6.58	6.15	5.96	50.0	43.96	42.60	41.22	28.24	31.75	34.83
53.2	83.2	6.64	6.19	6.00	53.2	43.93	42.54	41.01	27.73	31.32	34.51
96.5	66.5	6.51	6.09	5.94	96.5	41.95	39.39	36.79	22.88	27.03	30.89
100.0	70.0	6.56	6.12	5.95	100.0	41.74	38.82	36.30	22.61	26.75	30.66
139.7	109.7	6.56	6.08	5.90	139.7	39.80	36.47	33.50	19.94	24.55	28.41
182.9	152.9	6.57	6.04	5.91	182.9	37.55	33.97	30.54	17.94	22.60	26.77
200.0	170.0	6.46	6.01	5.89	200.0	36.47	32.86	29.41	17.28	22.00	26.13
226.2	196.2	6.45	6.05	5.92	226.2	35.98	31.55	27.51	16.25	21.33	25.17
240.6	210.6	6.33	6.01	5.90	240.6	35.47	31.07	27.11	15.82	20.98	24.77
250.0	220.0	6.32	5.99	5.88	250.0	34.86	31.07	26.60	15.51	20.64	24.42
269.4	239.4	6.29	6.03	5.90	269.4	33.70	29.74	25.65	15.07	20.00	24.05
312.7	282.6	6.29	6.06	5.93	312.7	32.81	29.04	25.42	13.96	18.97	23.44
355.9	325.9	6.31	6.07	5.91	355.9	32.10	29.44	25.99	13.02	17.86	23.05
399.1	369.1	6.34	6.05	5.89	399.1	31.65	28.97	26.12	12.34	17.51	23.67
442.4	412.4	6.43	6.13	5.95	442.4	30.69	28.43	26.21	11.60	16.75	23.67
471.2	441.2	6.54	6.22	6.04	471.2	29.65	27.40	26.05	11.64	16.76	23.93
485.6	455.6	6.61	6.26	6.07	485.6	23.77	26.90	26.47	11.61	16.94	24.01
500.0	470.0	6.62	6.26	6.07	500.0	28.19	26.42	26.36	11.65	17.47	24.45

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

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Frequency Mixer

UNCL-L1H

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+3	+6	+9	+3	+6	+9		+3	+6	+9
10.0	1.10	1.08	1.10	1.28	1.39	1.61	10.0	1.45	1.32	1.21
20.0	1.08	1.04	1.07	1.18	1.29	1.54	20.0	1.45	1.32	1.21
50.0	1.07	1.02	1.07	1.15	1.32	1.58	50.0	1.44	1.31	1.21
53.2	1.07	1.02	1.07	1.15	1.32	1.53	53.2	1.44	1.31	1.21
96.5	1.07	1.01	1.06	1.21	1.38	1.66	96.5	1.46	1.32	1.21
100.0	1.07	1.01	1.06	1.22	1.39	1.67	100.0	1.46	1.32	1.21
139.7	1.07	1.01	1.06	1.29	1.49	1.78	139.7	1.46	1.33	1.22
182.9	1.07	1.02	1.06	1.37	1.61	1.91	182.9	1.47	1.34	1.22
200.0	1.07	1.02	1.07	1.39	1.65	1.95	200.0	1.48	1.34	1.22
226.2	1.07	1.03	1.07	1.41	1.72	2.03	226.2	1.48	1.34	1.23
240.6	1.07	1.03	1.08	1.42	1.76	2.06	240.6	1.48	1.34	1.23
250.0	1.07	1.04	1.08	1.43	1.78	2.08	250.0	1.48	1.34	1.23
269.4	1.07	1.04	1.09	1.45	1.82	2.15	269.4	1.49	1.35	1.23
312.7	1.08	1.06	1.10	1.50	1.93	2.29	312.7	1.50	1.36	1.24
355.9	1.09	1.08	1.11	1.58	2.04	2.43	355.9	1.52	1.37	1.26
399.1	1.11	1.09	1.13	1.65	2.14	2.69	399.1	1.52	1.37	1.26
442.4	1.14	1.12	1.15	1.74	2.25	2.89	442.4	1.53	1.38	1.27
471.2	1.15	1.14	1.17	1.81	2.33	2.97	471.2	1.54	1.39	1.28
485.6	1.16	1.15	1.18	1.83	2.32	2.95	485.6	1.54	1.39	1.28
500.0	1.18	1.16	1.19	1.86	2.35	3.00	500.0	1.54	1.39	1.29

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