

# Frequency Mixer

# RMS-2UH

## 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
10.0	40.0	7.08	6.57	6.19	10.0	65.1	63.8	61.3	57.8	57.0	56.1
20.0	50.0	7.08	6.50	6.13	20.0	60.5	60.6	59.6	56.0	55.1	54.3
50.0	80.0	7.01	6.37	5.98	50.0	54.1	55.2	55.6	54.7	52.6	50.7
97.4	67.4	6.91	6.33	5.95	97.4	48.3	50.0	51.1	54.3	49.2	46.4
100.0	70.0	6.91	6.34	5.96	100.0	48.1	49.8	50.9	54.4	49.2	46.3
184.7	154.7	7.06	6.58	6.34	184.7	43.5	46.0	46.0	60.4	46.9	42.0
200.0	170.0	7.03	6.61	6.36	200.0	42.9	44.2	45.3	55.8	46.3	41.5
272.1	242.1	7.67	7.05	6.61	272.1	40.4	41.6	43.0	45.8	42.3	38.6
359.4	329.4	8.57	7.68	6.91	359.4	38.0	39.9	41.6	40.2	39.6	36.3
446.8	416.8	9.29	8.11	7.36	446.8	36.8	39.1	41.1	37.3	36.2	34.5
475.9	445.9	9.40	8.07	7.24	475.9	37.1	39.7	41.7	36.9	35.2	33.3
500.0	470.0	9.46	8.04	7.20	500.0	37.1	39.8	42.2	36.3	35.2	33.3
534.1	504.1	9.34	8.08	7.27	534.1	36.8	39.4	41.7	35.6	35.2	33.5
621.5	591.5	9.70	8.27	7.45	621.5	36.4	37.9	39.7	34.5	34.6	33.8
708.8	678.8	10.44	8.76	7.79	708.8	35.9	37.2	38.1	36.5	34.5	33.1
796.2	766.2	10.20	8.91	8.00	796.2	35.3	36.1	36.4	43.5	36.9	34.2
883.5	853.5	10.34	9.44	8.77	883.5	36.1	36.2	36.2	40.3	42.6	37.5
941.8	911.8	10.27	9.54	8.98	941.8	36.5	36.4	36.2	34.5	38.8	37.3
970.9	940.9	9.94	9.32	8.90	970.9	36.9	36.8	36.4	32.0	35.4	35.5
1000.0	970.0	10.18	9.47	9.22	1000.0	36.4	36.4	36.1	29.8	32.6	33.0

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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)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
10	1.49	1.46	1.45	1.54	1.86	2.56	10	1.85	1.80	1.80
20	1.29	1.25	1.23	1.26	1.74	2.49	20	1.43	1.40	1.44
50	1.26	1.20	1.16	1.16	1.80	2.56	50	1.21	1.12	1.19
100	1.41	1.34	1.30	1.17	1.68	2.34	100	1.24	1.05	1.10
115	1.46	1.39	1.35	1.18	1.68	2.35	115	1.27	1.09	1.11
190	1.83	1.73	1.69	1.44	1.64	2.11	190	1.43	1.24	1.18
200	1.90	1.80	1.75	1.49	1.64	2.08	200	1.46	1.26	1.19
280	2.34	2.19	2.11	1.68	1.58	1.87	280	1.60	1.35	1.23
370	3.00	2.71	2.54	1.85	1.52	1.68	370	1.69	1.38	1.21
460	3.18	2.81	2.58	1.82	1.40	1.50	460	1.60	1.30	1.13
490	3.21	2.82	2.56	1.82	1.36	1.45	490	1.57	1.28	1.14
500	3.17	2.77	2.52	1.82	1.33	1.49	500	1.54	1.26	1.14
550	2.97	2.53	2.26	1.70	1.29	1.47	550	1.46	1.33	1.35
640	2.49	2.14	1.96	1.54	1.25	1.56	640	1.37	1.46	1.60
730	2.29	2.01	1.85	1.41	1.35	1.78	730	1.50	1.78	2.02
820	2.57	2.28	2.13	1.49	1.58	1.98	820	1.87	2.24	2.56
910	3.14	2.83	2.64	1.78	1.83	2.19	910	2.26	2.59	2.92
970	3.81	3.45	3.21	2.12	2.04	2.34	970	2.52	2.82	3.11
985	4.26	3.82	3.54	2.28	2.11	2.34	985	2.64	2.93	3.21
1000	4.39	3.91	3.67	2.49	2.20	2.35	1000	2.65	2.91	3.16

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