

Frequency Mixer

JMS-5H+

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	8.22	6.95	6.34	10.0	80.40	70.78	63.30	59.97	61.92	55.11
20.0	50.0	7.82	6.58	6.12	20.0	77.03	65.19	58.10	56.00	63.52	52.26
50.0	80.0	7.47	6.34	5.87	50.0	66.43	58.27	51.79	47.18	59.11	46.77
100.0	70.0	7.33	6.16	5.77	100.0	56.26	57.50	46.11	40.17	49.97	40.28
149.7	119.7	7.35	6.25	5.82	149.7	51.17	57.97	47.45	36.86	51.05	42.62
200.0	170.0	7.56	6.35	5.94	200.0	46.01	58.46	43.83	33.63	44.60	37.32
289.4	259.4	7.36	6.44	6.02	289.4	40.17	45.97	41.42	29.98	40.19	33.64
429.1	399.1	7.70	6.52	6.01	429.1	33.26	35.99	36.79	26.09	40.36	28.22
500.0	470.0	7.72	6.57	6.05	500.0	31.16	33.86	33.91	25.71	35.13	25.05
568.8	538.8	7.92	6.70	6.20	568.8	29.36	31.80	33.00	26.37	31.81	24.69
708.4	678.4	8.73	7.17	6.43	708.4	26.26	28.34	29.87	26.32	25.09	21.09
750.0	720.0	8.94	7.33	6.52	750.0	25.56	27.82	29.02	26.18	23.34	19.68
848.1	818.1	8.86	7.63	6.86	848.1	24.37	27.14	28.81	25.04	20.18	17.06
987.8	957.8	8.71	7.85	7.27	987.8	22.55	25.28	27.18	21.35	17.43	14.03
1000.0	970.0	8.75	7.86	7.29	1000.0	22.40	25.09	27.05	20.73	16.91	13.91
1127.5	1097.5	8.58	7.96	7.64	1127.5	21.17	23.28	24.71	17.06	14.89	13.10
1267.2	1237.2	8.51	8.09	7.78	1267.2	19.82	21.51	22.88	14.45	13.36	12.00
1406.9	1376.9	8.92	8.10	7.92	1406.9	19.11	20.40	21.42	12.21	11.73	11.17
1453.4	1423.4	9.40	8.28	8.06	1453.4	18.88	20.09	20.78	11.96	11.57	11.34
1500.0	1470.0	10.05	8.50	8.17	1500.0	18.43	19.62	20.42	11.53	11.46	11.38

REV. X1
JMS-5H+
060612
Page 1 of 2



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

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



Frequency Mixer

JMS-5H+

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)			LO/RF (MHz)	max. DC output (mV)	DC Offset (mV)
	@LO (dBm)			@LO (dBm)				@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20	+17		
10.0	2.32	2.20	2.06	1.21	1.53	2.24	10.0	2.06	1.48	1.17	10.00	851.2	-0.88
20.0	1.76	1.63	1.53	1.10	1.56	2.34	20.0	2.07	1.48	1.17	20.00	859.9	-0.92
50.0	1.62	1.47	1.35	1.03	1.51	2.27	50.0	2.05	1.47	1.17	50.00	888.2	-0.79
100.0	1.65	1.49	1.35	1.01	1.50	2.20	100.0	2.06	1.48	1.17	100.30	834.7	-0.99
149.7	1.70	1.52	1.38	1.02	1.49	2.22	149.7	2.05	1.47	1.17	145.46	840.2	-1.20
200.0	1.74	1.57	1.42	1.05	1.47	2.14	200.0	2.04	1.47	1.16	200.00	872.5	-0.79
289.4	1.86	1.66	1.52	1.08	1.45	2.13	289.4	1.99	1.46	1.18	280.91	902.5	0.12
429.1	2.04	1.85	1.68	1.15	1.48	2.08	429.1	1.87	1.44	1.22	416.36	815.0	5.39
500.0	2.20	1.96	1.79	1.19	1.52	2.05	500.0	1.81	1.43	1.25	500.00	741.9	5.34
568.8	2.34	2.07	1.91	1.27	1.65	2.26	568.8	1.74	1.42	1.30	551.82	754.2	9.82
708.4	2.70	2.42	2.19	1.37	1.79	2.42	708.4	1.67	1.46	1.43	687.27	732.1	14.79
750.0	2.85	2.56	2.32	1.40	1.80	2.40	750.0	1.64	1.46	1.46	732.42	700.8	14.73
848.1	3.12	2.79	2.56	1.53	1.94	2.49	848.1	1.76	1.68	1.72	867.88	704.7	22.92
987.8	3.24	2.98	2.77	1.67	2.02	2.53	987.8	1.90	1.89	1.96	1000.00	749.5	18.87
1000.0	3.25	3.00	2.79	1.73	2.12	2.69	1000.0	1.90	1.90	1.97	1003.33	747.1	18.58
1127.5	3.35	3.16	3.01	1.92	2.21	2.75	1127.5	2.11	2.26	2.40	1138.79	831.9	8.68
1267.2	3.30	3.15	3.07	2.40	2.57	3.07	1267.2	2.72	2.85	2.93	1274.24	765.9	-12.15
1406.9	3.12	2.97	2.90	2.90	2.82	3.13	1406.9	3.26	3.45	3.62	1409.70	747.8	-8.08
1453.4	3.16	2.99	2.90	3.11	2.97	3.20	1453.4	3.99	4.20	4.30	1454.85	752.8	0.48
1500.0	3.12	2.94	2.86	3.34	3.15	3.31	1500.0	3.74	3.81	3.86	1500.00	722.2	12.35

REV. X1
JMS-5H+
060612
Page 2 of 2



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

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

