

Frequency Mixer

MBA-12MH

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)		
		+10	+13	+16		+10	+13	+16	+10	+13	+16
800.0	830.0	8.01	7.41	7.01	830.0	24.8	24.0	22.7	18.0	17.4	16.9
936.7	966.7	7.98	6.88	6.38	966.7	24.8	23.0	22.0	18.0	18.0	17.5
1000.0	1030.0	8.42	7.12	6.72	1030.0	25.0	23.7	22.4	17.0	17.8	17.7
1180.0	1210.0	7.61	7.11	7.01	1210.0	26.2	24.3	23.0	13.2	15.3	17.3
1200.0	1230.0	7.53	7.23	7.03	1230.0	26.0	24.2	23.1	12.9	15.1	17.1
1250.0	1280.0	7.47	7.17	6.97	1280.0	25.9	24.3	23.2	12.4	14.5	16.5
1400.0	1430.0	7.34	7.04	7.04	1430.0	26.5	25.6	24.7	10.9	12.6	13.8
1600.0	1630.0	7.60	7.60	7.60	1630.0	28.6	28.4	28.2	10.5	11.7	12.1
1666.7	1696.7	7.43	7.43	7.43	1696.7	29.3	29.4	29.3	10.6	11.4	11.7
1800.0	1830.0	7.04	6.94	6.84	1830.0	27.8	29.1	29.7	10.6	10.8	10.6
1900.0	1930.0	6.91	6.81	6.71	1930.0	28.5	29.1	29.4	11.2	11.0	10.4
1910.0	1940.0	6.87	6.77	6.77	1940.0	28.8	29.1	29.4	11.2	11.0	10.5
2000.0	2030.0	6.80	6.70	6.60	2030.0	33.6	32.8	32.3	12.5	11.8	11.0
2100.0	2130.0	6.86	6.66	6.66	2130.0	36.3	36.0	35.5	13.7	12.7	11.8
2153.3	2183.3	7.24	7.04	7.04	2183.3	38.0	37.2	36.3	13.7	12.9	11.8
2200.0	2230.0	7.85	7.65	7.55	2230.0	38.0	37.8	36.9	14.1	13.0	12.1
2300.0	2330.0	8.00	7.80	7.70	2330.0	34.2	34.5	34.0	14.9	13.6	12.6
2400.0	2430.0	7.70	7.60	7.60	2430.0	30.1	30.8	31.1	15.6	14.2	13.2
2470.0	2500.0	7.66	7.56	7.56	2500.0	28.1	29.2	29.7	16.1	14.9	13.8
2500.0	2530.0	7.81	7.71	7.71	2530.0	27.3	28.6	29.1	16.3	14.7	13.8

REV. X1
MBA-12MH
060612
Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 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

MBA-12MH

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
830.0	4.12	3.71	3.38	2.58	2.37	2.76	52.7	2.58	2.96	3.16
966.7	5.03	4.32	3.86	2.49	2.30	2.61	60.0	2.58	2.96	3.21
1030.0	5.17	4.53	4.22	2.55	2.35	2.65	80.0	2.49	2.84	3.06
1210.0	5.03	4.64	4.53	2.37	2.23	2.65	100.0	2.43	2.76	3.01
1230.0	5.03	4.77	4.64	2.30	2.23	2.72	105.4	2.43	2.80	3.01
1280.0	5.03	4.77	4.64	2.04	2.10	2.65	150.0	2.20	2.49	2.72
1430.0	4.12	4.03	3.95	1.76	1.94	2.55	158.0	2.20	2.46	2.68
1630.0	2.58	2.58	2.58	1.59	1.71	2.16	200.0	1.97	2.23	2.40
1696.7	2.25	2.18	2.16	1.49	1.68	2.14	210.6	1.97	2.23	2.40
1830.0	2.46	2.32	2.23	1.33	1.67	2.18	250.0	1.80	1.99	2.16
1930.0	2.61	2.43	2.32	1.30	1.80	2.46	263.2	1.78	1.96	2.12
1940.0	2.58	2.40	2.30	1.33	1.77	2.46	300.0	1.66	1.80	1.92
2030.0	2.58	2.35	2.20	1.27	1.88	2.61	315.9	1.66	1.78	1.88
2130.0	2.76	2.49	2.27	1.31	1.88	2.58	350.0	1.59	1.67	1.75
2183.3	3.16	2.92	2.76	1.34	1.89	2.68	368.5	1.61	1.65	1.71
2230.0	3.64	3.44	3.32	1.31	1.82	2.49	400.0	1.61	1.59	1.62
2330.0	3.71	3.50	3.32	1.46	1.87	2.46	421.1	1.67	1.61	1.60
2430.0	3.06	2.88	2.72	1.77	1.92	2.37	450.0	1.75	1.63	1.59
2500.0	2.80	2.61	2.49	2.01	1.92	2.25	473.7	1.85	1.68	1.61
2530.0	2.76	2.55	2.43	2.16	1.96	2.20	500.0	1.96	1.77	1.67

REV. X1
MBA-12MH
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

