

Frequency Mixer

ALY-44MH

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
1800.0	1770.0	9.36	7.03	6.03	1770.0	38.66	33.33	34.00	10.50	12.33	13.84
2021.4	1991.4	7.44	6.27	5.77	1991.4	32.67	30.67	29.83	10.84	12.00	12.33
2242.9	2212.9	6.55	5.38	5.05	2212.9	32.50	31.50	30.50	11.67	12.17	12.00
2400.0	2370.0	5.70	5.20	5.04	2370.0	32.50	32.16	30.67	13.33	13.50	12.34
2464.3	2434.3	5.87	5.37	5.37	2434.3	32.33	31.84	30.00	13.83	13.67	12.50
2500.0	2470.0	6.01	5.51	5.51	2470.0	32.50	32.33	30.17	14.50	14.33	12.83
2685.7	2655.7	6.85	6.18	5.85	2655.7	31.00	30.33	29.34	17.50	15.50	13.84
2907.1	2877.1	7.13	6.63	6.30	2877.1	32.16	31.33	30.34	20.83	17.83	15.84
3000.0	2970.0	7.49	6.82	6.49	2970.0	32.00	31.50	30.84	21.33	18.66	16.84
3128.6	3098.6	7.49	6.82	6.49	3098.6	31.83	30.66	30.50	21.83	20.00	18.84
3350.0	3320.0	7.41	6.91	6.58	3320.0	29.50	30.16	30.84	21.00	21.50	22.00
3571.4	3541.4	6.66	6.32	5.99	3541.4	32.67	33.17	32.66	21.00	22.83	24.66
3792.9	3762.9	6.43	6.10	5.76	3762.9	33.17	32.50	31.67	21.50	23.17	24.83
4000.0	3970.0	6.70	6.37	6.04	3970.0	33.33	32.00	30.67	22.00	22.83	22.67
4014.3	3984.3	6.68	6.35	6.02	3984.3	33.50	32.00	30.67	22.00	22.66	22.50
4235.7	4205.7	5.83	5.67	5.50	4205.7	33.00	31.00	30.00	22.33	21.66	20.83
4400.0	4370.0	5.59	5.42	5.25	4370.0	31.66	29.34	28.33	21.66	20.67	19.50
4457.1	4427.1	5.71	5.55	5.21	4427.1	31.34	29.00	28.00	21.34	20.33	19.33
4678.6	4648.6	6.31	5.81	5.65	4648.6	30.00	28.50	27.67	19.50	18.83	18.17
4900.0	4870.0	5.19	4.85	4.85	4870.0	29.00	28.00	27.17	17.50	17.34	17.17



P.O. Box 350166, Brooklyn, New York 11235-0000 (718) 934-4500 Fax (718) 332-4851 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/MW MICROWAVE COMPONENTS



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Typical Performance Data

RF (MHz)	LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR (:1)		
		@LO (dBm)			@LO (dBm)				@LO (dBm)		
		+10	+13	+16	+10	+13	+16		+10	+13	+16
1800.0	1770.0	4.09	4.09	3.68	8.08	5.27	3.69	10.0	1.47	1.85	2.10
2021.4	1991.4	3.46	3.26	3.17	8.05	3.26	2.86	40.0	1.46	1.83	2.07
2242.9	2212.9	3.36	3.09	2.86	5.28	3.95	3.17	70.0	1.48	1.83	2.10
2400.0	2370.0	2.80	2.56	2.46	4.80	2.94	2.93	100.0	1.46	1.83	2.10
2464.3	2434.3	2.73	2.56	2.46	3.95	2.73	2.94	109.3	1.48	1.83	2.07
2500.0	2470.0	2.61	2.46	2.36	3.95	2.51	2.86	208.6	1.50	1.81	2.07
2685.7	2655.7	2.67	2.51	2.46	3.01	2.04	2.56	307.9	1.55	1.83	2.04
2907.1	2877.1	2.17	2.13	2.07	1.92	1.71	2.36	407.1	1.64	1.85	2.04
3000.0	2970.0	1.98	1.92	1.87	1.67	1.55	2.24	500.0	1.71	1.87	2.01
3128.6	3098.6	1.78	1.73	1.67	1.59	1.39	1.95	506.4	1.73	1.87	2.01
3350.0	3320.0	2.24	2.04	1.95	1.92	1.55	2.10	605.7	1.77	1.90	1.98
3571.4	3541.4	2.94	2.67	2.51	2.17	2.10	2.67	705.0	1.85	1.90	1.95
3792.9	3762.9	3.69	3.26	3.01	1.98	2.46	3.26	804.3	1.90	1.90	1.92
4000.0	3970.0	3.26	2.94	2.67	1.65	2.46	3.46	903.6	1.92	1.90	1.90
4014.3	3984.3	3.09	2.80	2.56	1.65	2.46	3.47	1000.0	1.83	1.74	1.71
4235.7	4205.7	2.32	2.01	1.85	1.48	2.28	3.18	1002.9	1.83	1.74	1.69
4400.0	4370.0	2.28	1.90	1.73	1.54	2.37	3.26	1102.1	1.67	1.54	1.49
4457.1	4427.1	2.20	1.85	1.69	1.56	2.41	3.26	1201.4	1.56	1.32	1.24
4678.6	4648.6	2.24	2.07	1.98	1.69	2.41	3.18	1300.7	1.55	1.19	1.05
4900.0	4870.0	1.58	1.39	1.34	1.77	2.20	2.73	1400.0	1.65	1.36	1.34



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