

Frequency Mixer

RMS-11F+

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)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
350.0	380.0	4.89	4.65	4.48	350.0	34.82	36.37	38.04	17.79	19.43	20.93
383.7	413.7	4.77	4.63	4.49	383.5	35.52	36.83	38.09	17.90	19.55	21.05
417.4	447.4	4.78	4.67	4.56	417.6	36.68	38.11	39.24	18.71	20.39	21.86
451.0	481.0	4.83	4.68	4.70	450.6	37.75	39.27	40.51	18.84	20.76	22.33
484.7	514.7	4.72	4.61	4.66	484.2	38.67	40.31	41.58	19.62	21.53	23.11
552.0	582.0	4.72	4.69	4.76	551.9	38.75	40.08	41.15	21.54	23.23	24.47
619.4	649.4	4.87	4.86	4.88	619.4	37.65	38.80	39.83	23.75	25.64	26.83
700.0	730.0	5.33	5.08	4.93	699.8	37.40	38.87	40.11	26.59	28.43	29.91
720.4	750.4	5.34	5.03	4.83	719.9	37.99	39.51	40.81	27.59	29.35	30.79
754.1	784.1	5.46	5.06	4.80	753.6	38.84	40.27	41.66	28.94	30.58	31.92
855.1	885.1	5.98	5.48	5.24	855.1	43.67	45.01	46.24	37.95	42.88	48.69
1000.0	1030.0	6.41	6.00	5.75	1000.3	49.53	47.36	45.88	33.32	33.91	34.14
1124.5	1154.5	7.16	6.85	6.52	1125.2	37.52	36.96	36.86	29.35	29.41	29.50
1292.9	1262.9	7.17	6.99	6.86	1293.6	33.92	35.46	37.14	29.09	29.97	30.05
1427.6	1397.6	6.72	6.54	6.41	1426.8	38.95	41.21	42.78	27.25	27.91	28.08
1562.2	1532.2	6.72	6.52	6.34	1563.5	40.94	41.00	40.82	26.24	27.02	27.43
1696.9	1666.9	8.01	7.61	7.40	1698.5	38.66	38.30	37.88	25.07	26.09	26.85
1798.0	1768.0	8.23	7.75	7.58	1797.5	36.69	36.56	36.18	24.47	25.61	26.59
1899.0	1869.0	8.61	8.07	7.81	1898.1	35.41	35.37	35.14	24.38	25.71	26.87
2000.0	1970.0	8.87	8.43	8.13	2000.0	34.72	34.77	34.59	24.72	26.20	27.56

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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



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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)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10	+7		
350.0	2.54	2.22	1.98	3.75	3.48	4.01	1.0	1.12	1.35	1.60	350.00	-203.6	2.17
383.7	2.41	2.12	1.93	3.45	3.31	3.86	25.8	1.13	1.34	1.59	436.84	-210.6	1.44
417.4	2.47	2.23	2.07	3.09	3.24	3.94	50.5	1.19	1.39	1.63	523.68	-221.6	0.58
451.0	2.52	2.31	2.20	2.93	3.21	3.97	75.3	1.27	1.47	1.71	610.53	-164.7	-0.28
484.7	2.68	2.49	2.39	2.80	3.20	4.02	100.0	1.37	1.57	1.82	697.37	-131.4	-0.54
552.0	3.03	2.89	2.82	2.58	3.16	4.09	110.0	1.40	1.60	1.86	784.21	-148.1	-1.05
619.4	3.40	3.33	3.30	2.50	3.17	4.15	132.5	1.49	1.71	1.97	871.05	-129.5	-1.50
700.0	3.68	3.73	3.76	2.48	3.25	4.29	155.0	1.59	1.82	2.10	1000.00	-87.1	-1.89
720.4	3.68	3.81	3.87	2.57	3.43	4.55	177.5	1.68	1.93	2.23	1044.74	-65.6	-2.31
754.1	3.67	3.83	3.92	2.49	3.34	4.43	200.0	1.78	2.05	2.37	1131.58	-61.4	-3.22
855.1	3.21	3.50	3.75	2.50	3.43	4.58	210.0	1.83	2.12	2.45	1218.42	-79.3	-3.57
1000.0	1.96	2.12	2.30	2.62	3.56	4.71	232.5	1.96	2.28	2.64	1305.26	-103.1	-5.71
1124.5	1.39	1.26	1.22	2.86	3.79	4.95	255.0	2.07	2.41	2.78	1392.11	-107.0	-8.31
1292.9	2.75	2.50	2.30	2.70	3.51	4.53	277.5	2.17	2.53	2.92	1478.95	-110.5	-7.15
1427.6	3.90	3.59	3.37	2.77	3.42	4.33	300.0	2.31	2.72	3.13	1565.79	-58.9	-7.31
1562.2	4.90	4.61	4.30	2.92	3.39	4.14	310.0	2.39	2.81	3.24	1652.63	-30.0	-7.40
1696.9	5.74	5.43	5.11	2.94	3.16	3.74	332.5	2.56	3.02	3.48	1739.47	-37.6	-8.67
1798.0	6.08	5.81	5.51	2.89	3.01	3.46	355.0	2.66	3.12	3.60	1826.32	-59.8	-9.21
1899.0	5.92	5.65	5.45	2.72	2.81	3.18	377.5	2.80	3.28	3.78	1913.16	-61.2	-9.27
2000.0	5.47	5.59	5.85	2.46	2.59	2.96	400.0	3.00	3.52	4.04	2000.00	-36.7	-11.20

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