

Frequency Multiplier (Tripler)

RMK-3-122+

Typical Performance Data

FREQUENCY (MHz)				RF IN=0dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
300.00	600.00	900.00	1200.00	14.43	5.78	50.39	49.94
305.00	610.00	915.00	1220.00	14.35	5.50	50.08	50.05
310.00	620.00	930.00	1240.00	14.30	5.17	49.76	50.11
315.00	630.00	945.00	1260.00	14.28	4.84	49.36	50.23
318.00	636.00	954.00	1272.00	14.27	4.66	49.13	50.32
321.00	642.00	963.00	1284.00	14.27	4.50	48.88	50.36
324.00	648.00	972.00	1296.00	14.26	4.36	48.72	50.40
327.00	654.00	981.00	1308.00	14.25	4.23	48.56	50.46
330.00	660.00	990.00	1320.00	14.21	4.12	48.41	50.53
335.00	670.00	1005.00	1340.00	14.13	3.92	48.15	50.64
340.00	680.00	1020.00	1360.00	14.10	3.64	47.81	50.79
345.00	690.00	1035.00	1380.00	14.07	3.37	47.61	50.93
350.00	700.00	1050.00	1400.00	14.08	3.03	47.35	51.03
355.00	710.00	1065.00	1420.00	14.08	2.74	47.10	51.17
360.00	720.00	1080.00	1440.00	14.08	2.45	46.82	51.33
365.00	730.00	1095.00	1460.00	14.06	2.22	48.25	53.03
370.00	740.00	1110.00	1480.00	14.03	2.07	48.18	53.27
375.00	750.00	1125.00	1500.00	13.98	1.85	47.96	53.50
380.00	760.00	1140.00	1520.00	13.99	1.58	47.75	53.70
385.00	770.00	1155.00	1540.00	13.97	1.32	47.64	53.91
390.00	780.00	1170.00	1560.00	14.01	1.01	47.48	54.07
395.00	790.00	1185.00	1580.00	14.05	0.71	47.30	54.26
400.00	800.00	1200.00	1600.00	14.05	0.41	47.11	54.53

* Harmonic Output below power level of X3 Output.



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RF/IF MICROWAVE COMPONENTS

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Frequency Multiplier (Tripler)

RMK-3-122+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+6dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
300.00	600.00	900.00	1200.00	15.47	9.19	57.23	51.74
305.00	610.00	915.00	1220.00	15.39	8.91	56.85	51.84
310.00	620.00	930.00	1240.00	15.37	8.56	56.40	51.93
315.00	630.00	945.00	1260.00	15.34	8.24	55.95	52.07
318.00	636.00	954.00	1272.00	15.32	8.07	55.63	52.21
321.00	642.00	963.00	1284.00	15.32	7.89	55.34	52.31
324.00	648.00	972.00	1296.00	15.32	7.74	55.16	52.36
327.00	654.00	981.00	1308.00	15.29	7.63	55.00	52.44
330.00	660.00	990.00	1320.00	15.24	7.52	54.81	52.59
335.00	670.00	1005.00	1340.00	15.19	7.29	54.41	52.71
340.00	680.00	1020.00	1360.00	15.13	7.02	54.00	52.88
345.00	690.00	1035.00	1380.00	15.18	6.71	53.71	53.02
350.00	700.00	1050.00	1400.00	15.26	6.29	53.27	53.11
355.00	710.00	1065.00	1420.00	15.32	5.96	52.88	53.16
360.00	720.00	1080.00	1440.00	15.35	5.65	52.49	53.26
365.00	730.00	1095.00	1460.00	15.31	5.56	52.52	53.78
370.00	740.00	1110.00	1480.00	15.37	5.32	52.29	53.97
375.00	750.00	1125.00	1500.00	15.42	5.01	51.91	54.04
380.00	760.00	1140.00	1520.00	15.43	4.74	51.63	54.21
385.00	770.00	1155.00	1540.00	15.49	4.40	51.41	54.31
390.00	780.00	1170.00	1560.00	15.61	4.02	51.06	54.34
395.00	790.00	1185.00	1580.00	15.73	3.66	50.79	54.52
400.00	800.00	1200.00	1600.00	15.82	3.26	50.42	54.57

* Harmonic Output below power level of X3 Output.



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