

Frequency Multiplier (Tripler)

RMK-3-92+

Typical Performance Data

FREQUENCY (MHz)				CONVERSION LOSS (dB)	RF IN = 17 dBm		
					HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
150.0	300.0	450.0	600.0	15.47	8.55	77.81	83.80
155.0	310.0	465.0	620.0	15.11	8.34	76.96	83.04
160.0	320.0	480.0	640.0	14.88	8.06	75.12	76.81
165.0	330.0	495.0	660.0	14.68	7.72	73.80	74.67
175.0	350.0	525.0	700.0	14.23	7.00	74.63	84.21
180.0	360.0	540.0	720.0	14.09	6.59	73.46	80.89
185.0	370.0	555.0	740.0	14.05	6.18	72.61	80.40
190.0	380.0	570.0	760.0	14.01	5.72	71.71	79.62
195.0	390.0	585.0	780.0	13.96	5.25	70.76	78.98
200.0	400.0	600.0	800.0	14.14	4.67	69.31	78.91
205.0	410.0	615.0	820.0	14.04	4.29	70.19	75.86
210.0	420.0	630.0	840.0	14.02	3.87	68.16	74.46
215.0	430.0	645.0	860.0	14.09	3.39	68.37	75.05
220.0	440.0	660.0	880.0	14.08	2.94	68.16	74.84
225.0	450.0	675.0	900.0	14.04	2.49	68.10	74.40
230.0	460.0	690.0	920.0	14.04	2.08	67.81	73.34
235.0	470.0	705.0	940.0	14.10	1.57	67.17	73.07
240.0	480.0	720.0	960.0	14.17	1.07	68.79	71.74
245.0	490.0	735.0	980.0	14.22	0.64	68.58	71.35
250.0	500.0	750.0	1000.0	14.29	0.21	68.64	71.11
255.0	510.0	765.0	1020.0	14.40	-0.27	68.59	71.16
260.0	520.0	780.0	1040.0	14.47	-0.72	66.50	69.28
265.0	530.0	795.0	1060.0	14.53	-1.19	68.47	68.54
270.0	540.0	810.0	1080.0	14.87	-1.84	70.87	68.10
275.0	550.0	825.0	1100.0	14.67	-2.07	70.88	67.67
280.0	560.0	840.0	1120.0	14.78	-2.47	71.34	66.85
285.0	570.0	855.0	1140.0	14.78	-2.90	72.44	66.18
290.0	580.0	870.0	1160.0	14.77	-3.24	73.88	64.94
295.0	590.0	885.0	1180.0	14.82	-3.67	75.51	63.95
300.0	600.0	900.0	1200.0	15.01	-4.15	75.10	63.85

* Harmonic Output below power level of X3 Output.



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IF/RF MICROWAVE COMPONENTS

REV. X1

RMK-3-92+

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Page 1 of 1