

# Frequency Multiplier (Tripler)

# RMK-3-332+

## Typical Performance Data

FREQUENCY (MHz)				CONVERSION LOSS (dB)	RF IN = +10 dBm		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT		HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
700	1400	2100	2800	15.23	8.29	34.75	30.69
720	1440	2160	2880	14.80	8.07	36.14	32.60
740	1480	2220	2960	14.15	8.17	40.15	37.07
760	1520	2280	3040	14.26	7.61	37.07	34.81
780	1560	2340	3120	14.66	6.97	39.19	36.81
800	1600	2400	3200	14.37	6.68	45.91	42.27
820	1640	2460	3280	13.82	6.63	50.71	47.51
840	1680	2520	3360	13.81	6.22	51.23	49.55
860	1720	2580	3440	14.35	5.48	50.58	50.68
880	1760	2640	3520	14.10	5.18	50.70	53.46
900	1800	2700	3600	13.57	5.20	66.29	72.85
920	1840	2760	3680	13.57	4.77	69.31	80.23
940	1880	2820	3760	14.14	3.97	73.17	78.32
960	1920	2880	3840	14.00	3.62	70.78	74.62
980	1960	2940	3920	13.42	3.77	70.99	74.44
1000	2000	3000	4000	13.50	3.23	69.53	73.79
1020	2040	3060	4080	14.03	2.48	67.70	74.12
1040	2080	3120	4160	13.88	2.16	67.49	74.23
1060	2120	3180	4240	13.54	2.03	68.29	73.94
1080	2160	3240	4320	13.61	1.63	67.78	74.58
1100	2200	3300	4400	14.17	0.94	66.64	75.41
1120	2240	3360	4480	14.08	0.58	66.76	75.40
1140	2280	3420	4560	13.93	0.28	66.75	75.15
1160	2320	3480	4640	14.13	-0.26	65.88	75.37
1180	2360	3540	4720	14.57	-0.81	64.56	76.20
1200	2400	3600	4800	14.66	-1.32	63.82	75.60

\* Harmonic Output below power level of X3 Output.

FREQUENCY (MHz)				CONVERSION LOSS (dB)	RF IN = +15dBm		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT		HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
700	1400	2100	2800	16.80	9.97	37.49	31.86
720	1440	2160	2880	16.39	9.77	37.13	31.90
740	1480	2220	2960	16.01	9.78	39.06	35.11
760	1520	2280	3040	15.74	9.47	38.29	35.95
780	1560	2340	3120	15.47	9.26	41.87	41.30
800	1600	2400	3200	15.41	8.88	48.74	52.41
820	1640	2460	3280	15.43	8.45	50.06	55.73
840	1680	2520	3360	15.28	8.03	50.69	48.69
860	1720	2580	3440	15.35	7.56	54.99	54.91
880	1760	2640	3520	15.40	7.15	49.07	49.70
900	1800	2700	3600	15.54	6.64	61.36	63.84
920	1840	2760	3680	15.48	6.08	66.64	70.85
940	1880	2820	3760	15.62	5.62	74.28	94.06
960	1920	2880	3840	15.88	5.10	75.81	83.07
980	1960	2940	3920	15.97	4.66	76.92	80.55
1000	2000	3000	4000	15.99	3.99	74.14	77.51
1020	2040	3060	4080	16.18	3.62	71.55	75.54
1040	2080	3120	4160	16.44	3.12	70.85	74.88
1060	2120	3180	4240	16.58	2.51	70.84	75.01
1080	2160	3240	4320	16.63	1.92	70.42	75.38
1100	2200	3300	4400	17.03	1.55	69.48	74.88
1120	2240	3360	4480	17.25	1.07	68.51	74.30
1140	2280	3420	4560	17.30	0.46	68.30	73.77
1160	2320	3480	4640	17.39	-0.11	67.49	73.03
1180	2360	3540	4720	17.78	-0.38	66.05	73.18
1200	2400	3600	4800	18.00	-0.90	65.06	72.39

\* Harmonic Output below power level of X3 Output.



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IF/RF MICROWAVE COMPONENTS

REV. OR  
RMK-3-332+  
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Page 1 of 1