

Frequency Multiplier (X5)

RMK-5-972+

Typical Performance Data

FREQUENCY (MHz)							CONVERSION LOSS (dB)	RF IN = +7 dBm						
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT	X6 OUTPUT	X7 OUTPUT		HARMONIC OUTPUT* (-dBc)						
1620	3240	4860	6480	8100	9720	11340	25.03	2.75	74.95	0.85	66.12	56.38	17.38	
1640	3280	4920	6560	8200	9840	11480	25.16	2.47	75.79	0.54	66.32	56.56	16.74	
1660	3320	4980	6640	8300	9960	11620	24.90	2.61	74.55	0.86	65.29	56.02	15.56	
1680	3360	5040	6720	8400	10080	11760	24.94	2.34	75.01	0.66	65.15	56.48	14.90	
1700	3400	5100	6800	8500	10200	11900	24.85	2.25	74.37	0.62	64.73	56.86	14.06	
1720	3440	5160	6880	8600	10320	12040	24.59	2.19	73.51	0.62	64.05	56.70	14.09	
1740	3480	5220	6960	8700	10440	12180	24.50	2.18	73.46	0.36	63.31	56.30	14.43	
1760	3520	5280	7040	8800	10560	12320	24.59	1.94	72.93	0.48	62.71	56.31	13.76	
1780	3560	5340	7120	8900	10680	12460	24.38	1.96	71.15	0.70	61.08	56.15	12.75	
1800	3600	5400	7200	9000	10800	12600	24.37	1.67	70.95	0.70	60.52	55.80	11.87	
1820	3640	5460	7280	9100	10920	12740	24.54	1.42	71.38	0.46	60.50	55.74	10.86	
1840	3680	5520	7360	9200	11040	12880	24.70	1.01	70.24	1.11	59.05	55.16	9.80	
1860	3720	5580	7440	9300	11160	13020	25.46	0.05	69.02	2.02	57.69	54.21	9.07	
1880	3760	5640	7520	9400	11280	13160	25.26	0.19	68.81	1.73	57.53	53.95	10.12	
1900	3800	5700	7600	9500	11400	13300	25.04	0.27	68.55	1.46	57.38	53.82	11.12	
1920	3840	5760	7680	9600	11520	13440	25.13	0.18	68.23	1.47	57.08	53.52	10.79	
1940	3880	5820	7760	9700	11640	13580	25.77	1.03	67.20	2.37	56.29	52.99	9.58	
1950	3900	5850	7800	9750	11700	13650	25.65	0.98	67.35	2.28	56.08	53.16	9.67	

* Harmonic Output below power level of X5 Output.

FREQUENCY (MHz)							CONVERSION LOSS (dB)	RF IN = +11 dBm						
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT	X6 OUTPUT	X7 OUTPUT		HARMONIC OUTPUT* (-dBc)						
1620	3240	4860	6480	8100	9720	11340	26.74	4.20	73.74	4.07	60.58	53.91	11.88	
1640	3280	4920	6560	8200	9840	11480	27.04	3.75	72.68	4.07	59.66	53.78	11.89	
1660	3320	4980	6640	8300	9960	11620	27.51	3.17	72.15	4.69	58.44	53.00	11.30	
1680	3360	5040	6720	8400	10080	11760	27.71	2.82	71.16	4.83	58.03	53.21	10.67	
1700	3400	5100	6800	8500	10200	11900	27.79	2.60	69.83	4.68	57.84	53.46	9.75	
1720	3440	5160	6880	8600	10320	12040	27.76	2.30	69.05	4.82	57.32	53.72	9.60	
1740	3480	5220	6960	8700	10440	12180	27.68	2.23	68.67	4.54	56.98	53.94	10.56	
1760	3520	5280	7040	8800	10560	12320	27.82	1.97	67.63	4.56	56.70	54.34	10.75	
1780	3560	5340	7120	8900	10680	12460	28.02	1.60	67.08	4.91	56.07	53.99	10.21	
1800	3600	5400	7200	9000	10800	12600	28.15	1.18	67.00	5.17	56.03	53.54	9.59	
1820	3640	5460	7280	9100	10920	12740	27.94	1.30	66.19	4.41	56.31	53.95	9.06	
1840	3680	5520	7360	9200	11040	12880	28.39	0.64	65.14	5.19	55.59	53.49	7.82	
1860	3720	5580	7440	9300	11160	13020	29.07	0.18	64.38	6.00	54.74	53.01	6.92	
1880	3760	5640	7520	9400	11280	13160	28.91	0.14	63.79	5.71	54.73	53.15	7.76	
1900	3800	5700	7600	9500	11400	13300	28.68	0.05	64.18	5.46	54.84	53.37	8.97	
1920	3840	5760	7680	9600	11520	13440	28.62	0.33	64.44	5.26	55.18	53.25	9.55	
1940	3880	5820	7760	9700	11640	13580	29.13	0.98	64.08	5.80	55.03	52.53	8.98	
1950	3900	5850	7800	9750	11700	13650	28.99	0.91	64.40	5.69	55.19	52.49	9.10	

* Harmonic Output below power level of X5 Output.