

Frequency Multiplier (X4)

RKK-4-442+

Typical Performance Data

FREQUENCY (MHz)					CONVERSION LOSS (dB)	RF IN = +19 dBm			
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT		HARMONIC OUTPUT* (-dBc)			
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT	X4 OUTPUT	X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X5 OUTPUT
800	1600	2400	3200	4000	25.59	47.50	31.93	54.83	30.52
850	1700	2550	3400	4250	24.99	45.58	32.89	53.97	26.60
900	1800	2700	3600	4500	25.42	44.24	33.33	40.00	37.92
920	1840	2760	3680	4600	26.53	43.34	32.95	35.93	35.59
940	1880	2820	3760	4700	25.51	44.72	34.72	32.65	35.02
960	1920	2880	3840	4800	24.27	45.95	36.60	30.37	35.81
980	1960	2940	3920	4900	24.20	45.99	37.40	27.91	35.89
1000	2000	3000	4000	5000	23.62	46.28	38.81	25.99	36.40
1020	2040	3060	4080	5100	22.73	46.33	40.37	25.15	38.35
1040	2080	3120	4160	5200	23.33	46.12	39.83	24.09	40.34
1060	2120	3180	4240	5300	23.93	45.71	38.96	23.47	36.57
1080	2160	3240	4320	5400	23.65	45.37	38.34	24.32	36.11
1100	2200	3300	4400	5500	23.66	45.39	38.51	25.99	36.04

* Harmonic Output below power level of X4 Output.

FREQUENCY (MHz)					CONVERSION LOSS (dB)	RF IN = +23 dBm			
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT		HARMONIC OUTPUT* (-dBc)			
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT	X4 OUTPUT	X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X5 OUTPUT
800	1600	2400	3200	4000	24.06	47.23	36.06	60.32	44.59
850	1700	2550	3400	4250	23.83	46.39	36.50	54.01	30.19
900	1800	2700	3600	4500	24.12	45.30	37.19	41.19	37.14
920	1840	2760	3680	4600	25.06	44.50	37.09	37.51	44.00
940	1880	2820	3760	4700	24.47	45.46	38.69	34.73	45.01
960	1920	2880	3840	4800	23.36	46.45	40.82	33.05	43.60
980	1960	2940	3920	4900	23.50	46.31	41.92	30.55	40.78
1000	2000	3000	4000	5000	23.32	46.29	43.48	28.27	38.04
1020	2040	3060	4080	5100	22.68	46.14	45.07	27.18	38.46
1040	2080	3120	4160	5200	23.43	45.83	43.29	26.05	42.36
1060	2120	3180	4240	5300	24.31	45.17	41.06	25.56	40.15
1080	2160	3240	4320	5400	24.17	44.68	39.92	27.34	36.70
1100	2200	3300	4400	5500	24.34	44.55	40.35	30.35	33.89

* Harmonic Output below power level of X4 Output.



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IF/RF MICROWAVE COMPONENTS

REV. OR
RKK-4-442+
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