

# Frequency Multiplier (Doublers)

# AMK-2-13+

## Typical Performance Data

FREQUENCY (MHz)				RF IN=+4dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT*		
					X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT	X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT	X 4 OUTPUT
10	20	30	40	11.14	45.65	50.28	15.24
60	120	180	240	11.14	48.90	66.44	15.25
100	200	300	400	11.22	45.52	65.65	15.06
150	300	450	600	11.22	43.05	59.50	14.95
200	400	600	800	11.31	40.43	53.67	15.06
250	500	750	1000	11.23	37.72	49.84	15.65
300	600	900	1200	11.15	36.08	47.09	16.63
350	700	1050	1400	11.09	34.61	45.52	18.06
400	800	1200	1600	10.99	32.56	42.50	19.34
450	900	1350	1800	11.16	31.45	43.20	20.09
500	1000	1500	2000	11.41	29.56	43.75	20.71

\*Harmonic Output below power level of X 2 Output .

FREQUENCY (MHz)				RF IN=+10dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT*		
					X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT	X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT	X 4 OUTPUT
10	20	30	40	11.61	54.24	65.09	21.97
60	120	180	240	11.94	50.38	65.74	21.45
100	200	300	400	11.70	46.86	61.85	20.36
150	300	450	600	11.67	43.30	55.49	20.72
200	400	600	800	11.67	41.16	50.45	22.99
250	500	750	1000	11.72	38.29	47.40	25.43
300	600	900	1200	11.69	36.49	44.07	30.03
350	700	1050	1400	11.88	34.46	41.61	31.49
400	800	1200	1600	11.97	33.87	39.61	36.48
450	900	1350	1800	12.21	32.85	39.01	25.48
500	1000	1500	2000	12.72	33.56	39.13	25.56

\*Harmonic Output below power level of X 2 Output .