

Frequency Multiplier (Doublers)

KC2-36+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+8dBm			
				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
1700	3400	5100	6800	12.73	16.68	29.28	19.21
1800	3600	5400	7200	11.11	16.49	31.92	14.84
1900	3800	5700	7600	10.39	17.55	38.81	20.40
2000	4000	6000	8000	10.80	17.85	38.51	20.95
2100	4200	6300	8400	10.26	17.96	35.56	20.93
2200	4400	6600	8800	9.80	17.85	42.34	18.89
2300	4600	6900	9200	8.06	20.57	36.41	19.59
2400	4800	7200	9600	8.08	22.46	41.63	13.30
2500	5000	7500	10000	8.97	22.13	34.37	19.35
2600	5200	7800	10400	10.09	23.03	44.55	22.20
2700	5400	8100	10800	10.77	24.00	38.60	18.73
2800	5600	8400	11200	10.30	22.04	23.54	20.50
2900	5800	8700	11600	11.29	20.11	27.97	12.47
3000	6000	9000	12000	10.70	22.55	31.08	18.26
3100	6200	9300	12400	8.92	22.40	38.64	25.49
3200	6400	9600	12800	10.15	23.92	34.04	30.56
3300	6600	9900	13200	11.12	24.98	34.14	28.23
3400	6800	10200	13600	10.67	26.76	37.17	28.28
3500	7000	10500	14000	9.10	27.48	40.25	29.40
3600	7200	10800	14400	9.40	30.15	42.70	27.81

*Harmonic Output below power level of X 2 Output .

FREQUENCY (MHz)				RF IN=+13dBm			
				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
1700	3400	5100	6800	12.59	12.88	28.90	17.27
1800	3600	5400	7200	11.07	14.32	28.74	18.96
1900	3800	5700	7600	11.57	13.73	38.30	16.13
2000	4000	6000	8000	11.59	15.36	33.83	20.12
2100	4200	6300	8400	11.48	16.50	31.51	17.12
2200	4400	6600	8800	10.73	16.75	38.41	17.30
2300	4600	6900	9200	11.11	18.03	34.08	15.65
2400	4800	7200	9600	10.63	19.84	46.09	14.99
2500	5000	7500	10000	11.20	19.32	40.32	18.67
2600	5200	7800	10400	11.42	21.03	33.90	20.60
2700	5400	8100	10800	11.08	23.82	30.77	17.97
2800	5600	8400	11200	10.40	22.50	28.00	15.03
2900	5800	8700	11600	11.61	21.78	32.40	13.59
3000	6000	9000	12000	10.92	23.47	36.46	18.39
3100	6200	9300	12400	9.60	24.16	29.28	24.36
3200	6400	9600	12800	10.91	25.07	32.87	34.43
3300	6600	9900	13200	11.15	27.05	43.00	31.47
3400	6800	10200	13600	10.24	29.62	51.12	26.03
3500	7000	10500	14000	9.34	28.00	46.57	29.15
3600	7200	10800	14400	11.14	30.40	36.82	33.33

*Harmonic Output below power level of X 2 Output .

