Frequency Multiplier (Doubler) KC2-19+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+5dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT	X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT	X 4 OUTPUT
1100	2200	3300	4400	12.11	27.22	26.90	24.09
1150	2300	3450	4600	11.64	28.91	28.56	28.91
1200	2400	3600	4800	10.96	29.96	29.37	30.10
1250	2500	3750	5000	10.68	28.82	34.21	26.01
1300	2600	3900	5200	9.88	27.15	39.80	29.28
1350	2700	4050	5400	9.29	26.91	40.49	26.19
1400	2800	4200	5600	8.97	27.83	40.01	22.24
1450	2900	4350	5800	9.04	30.55	38.61	18.78
1500	3000	4500	6000	9.48	34.22	38.00	19.75
1550	3100	4650	6200	10.00	34.23	37.86	21.15
1600	3200	4800	6400	10.17	32.42	33.61	23.26
1650	3300	4950	6600	10.07	30.54	33.01	25.89
1700	3400	5100	6800	10.12	28.35	32.01	27.07
1750	3500	5250	7000	10.07	28.10	30.86	24.69
1800	3600	5400	7200	10.18	27.80	28.28	23.96
1850	3700	5550	7400	10.71	27.71	28.58	26.17
1900	3800	5700	7600	10.22	28.10	30.19	30.17

*Harmonic Output below power level of X 2 Output .

FREQUENCY (MHz)				RF IN=+10dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT	X 2 OUTPUT	X 1 OUTPUT	X 3 OUTPUT	X 4 OUTPUT
1100	2200	3300	4400	11.92	27.59	25.53	18.60
1150	2300	3450	4600	11.54	28.98	26.84	18.69
1200	2400	3600	4800	10.90	29.15	29.02	17.70
1250	2500	3750	5000	10.68	26.81	36.66	17.47
1300	2600	3900	5200	10.02	25.85	35.46	20.19
1350	2700	4050	5400	9.69	25.43	37.84	20.36
1400	2800	4200	5600	9.77	25.27	38.18	17.75
1450	2900	4350	5800	10.39	25.90	41.85	15.47
1500	3000	4500	6000	10.96	26.11	40.72	16.17
1550	3100	4650	6200	11.46	26.25	41.21	16.88
1600	3200	4800	6400	11.43	25.32	40.61	16.41
1650	3300	4950	6600	10.91	24.88	36.81	17.03
1700	3400	5100	6800	10.63	24.25	37.51	17.60
1750	3500	5250	7000	10.30	25.22	37.99	20.05
1800	3600	5400	7200	10.43	24.71	34.18	23.83
1850	3700	5550	7400	9.99	26.42	33.97	26.09
1900	3800	5700	7600	10.10	27.22	33.59	30.26

*Harmonic Output below power level of X 2 Output .