

Frequency Multiplier (Doublers)

KC2-50+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+7dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X2 OUTPUT	X1 OUTPUT	X3 OUTPUT	X4 OUTPUT
3500.00	7000.00	10500.00	14000.00	10.32	14.96	30.18	30.40
3550.00	7100.00	10650.00	14200.00	9.92	15.95	30.32	29.86
3600.00	7200.00	10800.00	14400.00	9.56	16.50	30.47	29.30
3650.00	7300.00	10950.00	14600.00	9.36	16.95	31.22	29.39
3700.00	7400.00	11100.00	14800.00	9.33	17.40	30.75	28.08
3750.00	7500.00	11250.00	15000.00	9.50	17.65	30.36	26.61
3800.00	7600.00	11400.00	15200.00	9.70	18.06	30.71	25.52
3850.00	7700.00	11550.00	15400.00	9.97	18.49	30.63	26.09
3900.00	7800.00	11700.00	15600.00	10.48	18.85	29.06	31.04
3950.00	7900.00	11850.00	15800.00	10.80	19.10	28.38	40.84
4000.00	8000.00	12000.00	16000.00	11.14	19.55	28.37	46.43
4050.00	8100.00	12150.00	16200.00	11.20	20.63	28.70	39.62
4100.00	8200.00	12300.00	16400.00	11.24	21.94	30.76	35.98
4150.00	8300.00	12450.00	16600.00	11.11	22.18	31.52	34.10
4200.00	8400.00	12600.00	16800.00	10.86	22.93	36.69	33.86
4250.00	8500.00	12750.00	17000.00	11.06	22.96	39.40	32.56
4300.00	8600.00	12900.00	17200.00	10.94	22.29	38.29	30.85
4350.00	8700.00	13050.00	17400.00	10.91	21.55	36.06	28.94
4400.00	8800.00	13200.00	17600.00	11.10	20.85	34.82	27.84
4450.00	8900.00	13350.00	17800.00	10.93	20.68	34.43	28.26
4500.00	9000.00	13500.00	18000.00	11.13	20.24	34.83	29.44
4550.00	9100.00	13650.00	18200.00	11.27	19.40	33.30	30.63
4600.00	9200.00	13800.00	18400.00	11.51	18.37	31.04	32.23
4650.00	9300.00	13950.00	18600.00	11.65	17.51	29.86	33.45
4700.00	9400.00	14100.00	18800.00	11.86	16.75	29.43	34.50
4750.00	9500.00	14250.00	19000.00	12.08	15.76	29.22	36.28
4800.00	9600.00	14400.00	19200.00	12.19	14.98	29.14	38.31
4850.00	9700.00	14550.00	19400.00	12.46	14.10	29.43	40.85
4900.00	9800.00	14700.00	19600.00	12.53	13.36	29.37	42.60
4950.00	9900.00	14850.00	19800.00	12.63	13.07	30.45	39.44
5000.00	10000.00	15000.00	20000.00	12.79	13.28	32.10	37.90

* Harmonic Output below power level of X2 Output.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

REV. X1

KC2-50+

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Frequency Multiplier (Doublers)

KC2-50+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+12dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X2 OUTPUT	X1 OUTPUT	X3 OUTPUT	X4 OUTPUT
3500.00	7000.00	10500.00	14000.00	12.06	12.62	26.45	27.92
3550.00	7100.00	10650.00	14200.00	11.93	13.22	26.23	27.25
3600.00	7200.00	10800.00	14400.00	11.88	13.35	27.01	27.62
3650.00	7300.00	10950.00	14600.00	11.86	13.53	26.23	28.56
3700.00	7400.00	11100.00	14800.00	11.90	14.05	27.10	27.25
3750.00	7500.00	11250.00	15000.00	12.04	13.77	27.24	27.03
3800.00	7600.00	11400.00	15200.00	12.20	14.25	27.20	26.48
3850.00	7700.00	11550.00	15400.00	12.34	14.44	27.85	27.71
3900.00	7800.00	11700.00	15600.00	12.66	14.48	26.19	31.51
3950.00	7900.00	11850.00	15800.00	12.84	14.71	26.03	40.01
4000.00	8000.00	12000.00	16000.00	13.02	14.86	25.74	48.15
4050.00	8100.00	12150.00	16200.00	12.77	15.46	26.13	43.78
4100.00	8200.00	12300.00	16400.00	12.57	16.55	28.84	40.09
4150.00	8300.00	12450.00	16600.00	12.50	16.40	30.88	37.05
4200.00	8400.00	12600.00	16800.00	12.33	16.93	40.86	36.40
4250.00	8500.00	12750.00	17000.00	12.58	16.83	36.67	35.84
4300.00	8600.00	12900.00	17200.00	12.56	16.60	29.41	32.35
4350.00	8700.00	13050.00	17400.00	12.52	16.51	28.92	29.67
4400.00	8800.00	13200.00	17600.00	12.78	15.90	28.80	23.70
4450.00	8900.00	13350.00	17800.00	12.61	16.46	28.29	24.47
4500.00	9000.00	13500.00	18000.00	12.63	16.71	29.36	24.84
4550.00	9100.00	13650.00	18200.00	12.82	16.74	28.63	25.19
4600.00	9200.00	13800.00	18400.00	12.78	16.48	27.63	26.98
4650.00	9300.00	13950.00	18600.00	12.71	16.13	28.38	24.90
4700.00	9400.00	14100.00	18800.00	12.86	15.88	29.13	31.46
4750.00	9500.00	14250.00	19000.00	12.91	14.83	29.40	32.63
4800.00	9600.00	14400.00	19200.00	13.01	14.38	30.17	34.73
4850.00	9700.00	14550.00	19400.00	13.09	13.71	30.33	35.90
4900.00	9800.00	14700.00	19600.00	13.26	12.55	30.72	37.35
4950.00	9900.00	14850.00	19800.00	13.35	12.77	33.21	33.61
5000.00	10000.00	15000.00	20000.00	13.32	13.00	35.23	30.94

* Harmonic Output below power level of X2 Output.



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