Frequency Multiplier (Doubler) ZX90-2-11+

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
450	900	1350	1800	12.17	39.39	33.06	17.25
500	1000	1500	2000	10.97	35.40	36.29	18.22
550	1100	1650	2200	10.54	37.80	40.50	21.45
600	1200	1800	2400	10.68	36.20	41.69	30.06
650	1300	1950	2600	10.91	34.14	43.30	26.98
700	1400	2100	2800	10.32	33.12	41.66	24.46
750	1500	2250	3000	10.32	31.55	39.36	22.36
780	1560	2340	3120	10.34	30.45	39.07	22.12
800	1600	2400	3200	10.13	28.86	37.56	22.27
850	1700	2550	3400	9.83	27.68	33.80	19.92
900	1800	2700	3600	10.12	28.01	37.54	20.74
950	1900	2850	3800	10.25	26.73	40.97	27.76
1000	2000	3000	4000	10.65	24.98	35.69	35.91
1050	2100	3150	4200	10.26	28.50	38.88	41.83
1100	2200	3300	4400	11.97	28.75	36.89	22.73
1125	2250	3375	4500	10.14	27.51	39.58	16.75
1150	2300	3450	4600	11.29	28.04	38.41	16.09

*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
450	900	1350	1800	11.37	35.53	36.16	14.51
500	1000	1500	2000	10.38	37.01	33.95	15.69
550	1100	1650	2200	9.57	36.95	39.73	17.75
600	1200	1800	2400	9.65	32.62	45.38	15.36
650	1300	1950	2600	9.40	29.85	42.77	16.72
700	1400	2100	2800	9.90	30.58	57.35	17.75
750	1500	2250	3000	10.50	29.34	58.89	17.00
780	1560	2340	3120	10.42	28.69	43.80	18.01
800	1600	2400	3200	10.91	26.60	38.56	18.27
850	1700	2550	3400	10.27	26.95	33.58	23.87
900	1800	2700	3600	11.27	25.72	32.38	15.46
950	1900	2850	3800	10.51	25.27	38.76	26.46
1000	2000	3000	4000	10.31	23.56	47.02	37.48
1050	2100	3150	4200	10.19	26.25	44.99	47.45
1100	2200	3300	4400	11.66	26.83	42.54	26.84
1125	2250	3375	4500	10.21	24.96	41.30	21.28
1150	2300	3450	4600	12.23	26.02	39.44	16.64

*Harmonic Output below power level of X 2 Output .