

Frequency Multiplier (Tripler)

ZX90-3-122-S+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+0dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
300	600	900	1200	15.55	43.51	79.89	80.52
310	620	930	1240	15.10	47.58	75.44	79.10
320	640	960	1280	14.47	50.59	70.39	74.60
330	660	990	1320	14.39	52.21	65.30	73.18
340	680	1020	1360	14.34	53.26	64.86	75.14
350	700	1050	1400	14.55	53.38	66.15	78.09
360	720	1080	1440	15.11	52.27	66.02	84.26
370	740	1110	1480	15.65	50.80	64.82	95.71
380	760	1140	1520	15.96	49.50	64.04	101.73
390	780	1170	1560	16.13	48.27	63.93	100.52
400	800	1200	1600	16.35	46.82	64.25	100.80

* Harmonic Output below power level of X3 Output.

FREQUENCY (MHz)				RF IN=+6dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT* (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
300	600	900	1200	17.42	45.52	81.95	72.85
310	620	930	1240	17.39	49.03	77.10	71.02
320	640	960	1280	17.77	50.71	71.34	71.10
330	660	990	1320	17.98	51.42	65.77	72.36
340	680	1020	1360	17.71	51.87	66.11	74.56
350	700	1050	1400	17.68	51.50	68.14	75.95
360	720	1080	1440	17.52	50.82	68.51	82.88
370	740	1110	1480	17.21	50.16	67.63	92.89
380	760	1140	1520	17.07	49.60	66.84	102.37
390	780	1170	1560	17.31	49.10	66.70	101.15
400	800	1200	1600	17.99	48.05	67.56	96.71

* Harmonic Output below power level of X3 Output.