

Frequency Multiplier (Tripler)

ZX90-3-812+

Typical Performance Data

FREQUENCY (MHz)				RF IN=0 dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT*		
					X 3 OUTPUT	X 1 OUTPUT	X 2 OUTPUT
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT				
1700	3400	5100	6800	19.29	36.60	53.52	38.60
1750	3500	5250	7000	19.09	37.05	49.33	39.47
1800	3600	5400	7200	18.66	38.55	46.43	37.94
1840	3680	5520	7360	18.56	41.97	43.47	36.31
1880	3760	5640	7520	18.06	47.02	41.86	31.32
1920	3840	5760	7680	19.33	25.14	39.70	26.36
1960	3920	5880	7840	16.86	25.52	48.03	30.69
2000	4000	6000	8000	16.07	28.61	39.71	32.76
2050	4100	6150	8200	15.37	30.27	43.04	36.29
2100	4200	6300	8400	15.13	30.77	52.29	38.99
2160	4320	6480	8640	15.01	30.86	54.04	44.45
2220	4440	6660	8880	15.25	30.46	54.81	46.76
2280	4560	6840	9120	15.11	30.28	57.32	48.63
2340	4680	7020	9360	15.00	30.09	55.94	49.94
2400	4800	7200	9600	15.18	29.69	50.59	52.35
2460	4920	7380	9840	15.12	29.47	46.97	51.62
2520	5040	7560	10080	15.12	29.39	44.21	49.41
2580	5160	7740	10320	15.93	28.46	43.39	47.25
2640	5280	7920	10560	17.20	27.38	42.79	44.54
2700	5400	8100	10800	17.52	27.28	42.93	43.92
2750	5500	8250	11000	18.52	26.71	41.28	42.69
2800	5600	8400	11200	19.64	26.14	39.04	41.57
2840	5680	8520	11360	20.07	26.47	36.83	41.17
2886	5772	8658	11544	20.37	27.41	35.32	41.56
2932	5864	8796	11728	20.64	29.07	34.47	40.56
2978	5956	8934	11912	21.55	31.52	32.68	39.17
3024	6048	9072	12096	22.22	36.43	30.83	38.12
3070	6140	9210	12280	22.11	33.80	29.85	36.95
3116	6232	9348	12464	22.04	26.50	28.99	35.71
3162	6324	9486	12648	22.75	20.99	27.53	33.83
3208	6416	9624	12832	23.73	16.08	25.70	32.78
3254	6508	9762	13016	23.33	13.17	25.06	33.39
3300	6600	9900	13200	22.74	10.92	25.13	35.32

*Harmonic Output below power level of X 3 Output .



Frequency Multiplier (Tripler)

ZX90-3-812+

Typical Performance Data

FREQUENCY (MHz)				RF IN=+5 dBm			
				CONVERSION LOSS (dB)	HARMONIC OUTPUT*		
					X 3 OUTPUT	X 1 OUTPUT	X 2 OUTPUT
X 1 OUTPUT	X 2 OUTPUT	X 3 OUTPUT	X 4 OUTPUT				
1700	3400	5100	6800	19.04	36.96	62.95	30.39
1750	3500	5250	7000	18.49	37.72	57.42	32.68
1800	3600	5400	7200	17.83	38.97	52.47	33.65
1840	3680	5520	7360	17.54	41.69	46.94	35.25
1880	3760	5640	7520	16.92	56.69	46.51	34.82
1920	3840	5760	7680	17.06	31.56	47.98	34.76
1960	3920	5880	7840	16.31	29.83	55.19	36.24
2000	4000	6000	8000	15.82	32.38	40.92	47.75
2050	4100	6150	8200	15.35	33.69	42.23	44.35
2100	4200	6300	8400	15.25	33.98	55.15	40.09
2160	4320	6480	8640	15.29	33.91	64.18	43.05
2220	4440	6660	8880	15.67	33.37	58.33	47.65
2280	4560	6840	9120	15.51	33.19	53.77	53.41
2340	4680	7020	9360	15.78	32.61	49.10	55.01
2400	4800	7200	9600	16.46	31.72	45.50	55.73
2460	4920	7380	9840	16.73	31.24	43.44	51.87
2520	5040	7560	10080	17.14	30.59	41.38	47.42
2580	5160	7740	10320	17.90	29.86	39.40	44.54
2640	5280	7920	10560	19.09	28.76	37.26	41.18
2700	5400	8100	10800	19.38	28.74	36.75	39.96
2750	5500	8250	11000	20.20	28.34	35.67	38.65
2800	5600	8400	11200	21.09	28.03	34.44	37.17
2840	5680	8520	11360	21.39	28.62	33.41	36.95
2886	5772	8658	11544	21.33	30.06	32.56	37.24
2932	5864	8796	11728	21.29	32.16	31.75	36.63
2978	5956	8934	11912	21.86	35.55	30.53	35.74
3024	6048	9072	12096	22.44	44.64	29.33	35.29
3070	6140	9210	12280	22.14	38.06	28.98	34.47
3116	6232	9348	12464	21.92	29.73	29.27	33.64
3162	6324	9486	12648	22.56	24.25	28.73	32.46
3208	6416	9624	12832	23.25	19.59	28.47	32.21
3254	6508	9762	13016	22.60	16.97	28.93	33.46
3300	6600	9900	13200	21.75	14.90	29.34	35.89

*Harmonic Output below power level of X 3 Output .

