ZX90-2-19+

Output 2200 to 3800 MHz 50Ω

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Input Power, 25°C	23 dBm
Permanent damage may occur if any	of these limits are exceeded.

Coaxial Connections

INPUT	2
OUTPUT	1

D

Outline Dimensions (inch)

Outline Drawing

Features

- broadband
- low conversion loss, 10.5 dB typ.
- rugged construction
- protected by US Patent 6,790,049

Applications

- synthesizers
- local oscillators

CASE STYLE: JA1242

Connectors	Model	Price	Qty.
SMA	ZX90-2-19-S+	\$35.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

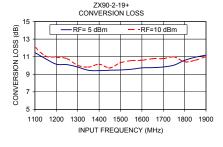
Electrical Specifications

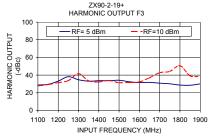
MULTIPLICATION FACTOR		(MHz) POWER		(MHz) POWER		POWER		ERSION SS		*HAF		C OUT 3c)	PUT	
	F1	F2	(dBm)		(dB)		F	1	F	3	F	4		
	Input	Output	Min.	Max.	Тур.	Max.	Тур.	Min.	Тур.	Min.	Тур.	Min.		
2	1100-1900	2200-3800	5	10	10.5	14.5	27	20	30	23	17	11		

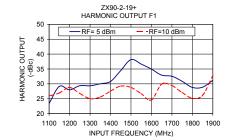
^{*} Harmonics of input frequency below the power level of F2

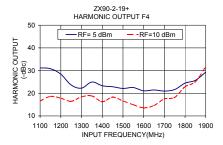
Typical Performance Data

INPUT RF= 5 dBm					INPUT RF= 10 dBm			
Input Frequency (MHz)	Conversion Loss (dB)	ŀ	Harmonic Output Below F2 (-dBc)		Conversion Loss (dB)	Harmonic Out Below F2 (-dBc)		out
		F1	F3	F4		F1	F3	F4
1100.00	11.46	23.43	28.77	31.18	12.10	25.95	27.81	16.56
1150.00	10.76	29.15	29.59	30.82	11.06	26.94	29.25	18.64
1200.00	10.15	28.00	33.16	28.41	10.94	28.77	31.44	17.83
1250.00	10.10	29.37	38.22	23.66	10.78	26.78	33.74	16.46
1300.00	9.82	29.33	34.73	22.27	10.02	25.03	41.56	18.39
1350.00	9.45	30.03	33.13	24.97	9.81	25.56	33.58	18.82
1400.00	9.41	30.81	33.72	23.31	10.14	27.56	32.27	16.29
1450.00	9.46	34.44	33.65	22.87	9.73	29.23	33.94	18.28
1500.00	9.49	38.13	34.21	22.14	10.31	28.80	31.51	16.64
1550.00	9.57	36.65	32.46	22.53	10.55	26.71	31.65	14.95
1600.00	9.73	34.93	31.55	21.08	10.60	24.56	32.26	13.62
1650.00	9.75	32.94	31.83	21.46	10.76	29.92	36.99	14.61
1700.00	9.83	32.54	30.91	20.96	10.78	29.42	42.75	17.52
1750.00	10.04	30.85	30.19	21.65	10.97	27.09	44.22	18.17
1800.00	10.59	28.81	28.76	24.46	10.43	25.15	50.65	22.83
1850.00	10.94	28.88	28.49	25.71	10.60	26.14	39.20	25.09
1900.00	11.18	31.20	30.07	29.26	11.01	32.76	38.51	31.67









For detailed performance specs



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