

Connectorized Amplifier

ZX60-8008E+

50Ω 20 MHz to 8 GHz

Features

- Wide bandwidth, 20 MHz to 8 GHz
- Good IP3, 24 dBm typ.
- Excellent repeatability
- Protected by US patent 6,790,049

Applications

- Buffer amplifier
- Cellular
- PCS
- Lab
- Instrumentation
- Test equipment



CASE STYLE: GC957

Connectors	Model	Price	Qty.
SMA	ZX60-8008E-S+	\$49.95 ea.	(1-9)

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications at T_{AMB} = 25°C

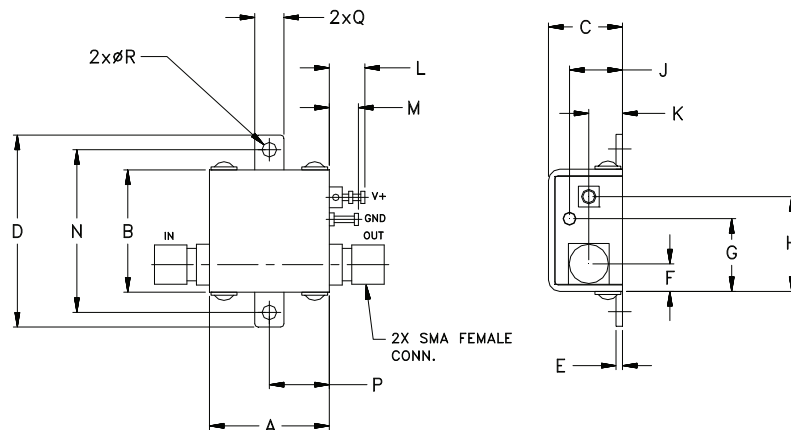
MODEL NO.	FREQ. (GHz) f _L -f _U	DC VOLTAGE @ Pin V+ (V)	GAIN over frequency in GHz Typ (dB)								MAXIMUM POWER (dBm) Output (1 dB Comp.) Typ. f _L f _U		DYNAMIC RANGE NF (dB) Typ. IP3 (dBm) Typ.		VSWR (:1) Typ.				ACTIVE DIRECTIVITY (dB) Isolation-Gain Typ.	DC OPERATING CURRENT @ Pin V+ (mA) Typ. Max.		
			0.1	1.0	2.0	3.0	4.0	5.0	6.0	8.0	Min.at 2 GHz	8.4	10.8	6.6	4.1	24	f _L -3 GHz	3-f _U GHz		f _L -3 GHz	3-f _U GHz	
ZX60-8008E+	0.02-8	12.0	11.5	11.1	10.4	9.9	9.0	9.0	8.5	7.0	8.4	10.8	6.6	4.1	24	1.3	1.5	1.6	1.9	6 - 11	39	50

Maximum Ratings

Operating Temperature	-45°C to 80°C case
Storage Temperature	-55°C to 100°C
DC Voltage	12.5V
Input Power(no Damage)	15dBm
Power	650mW

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	WT. GRAM
.74	.75	.46	1.18	.04	.17	.45	.59	.33	.21	.22	.18	1.00	.37	.18	.106	23.0
18.80	19.05	11.68	29.97	1.02	4.32	11.43	14.99	8.38	5.33	5.59	4.57	25.40	9.40	4.57	2.69	



For detailed performance specs & shopping online see web site

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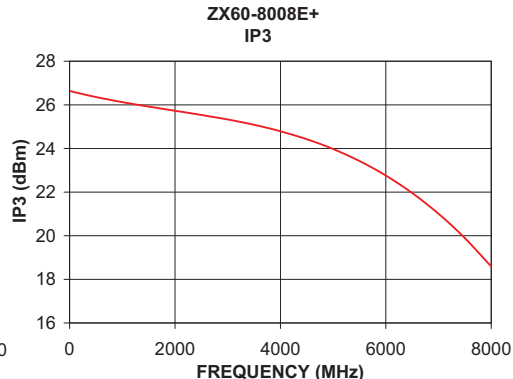
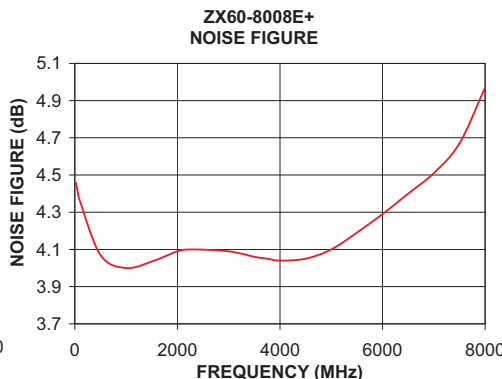
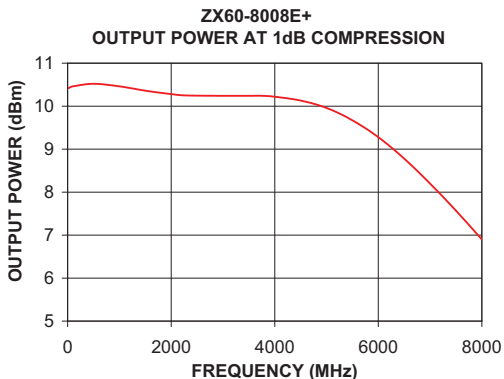
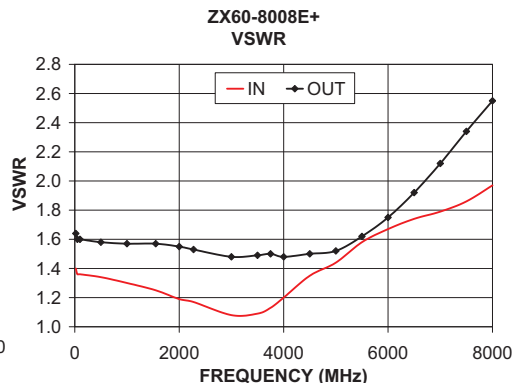
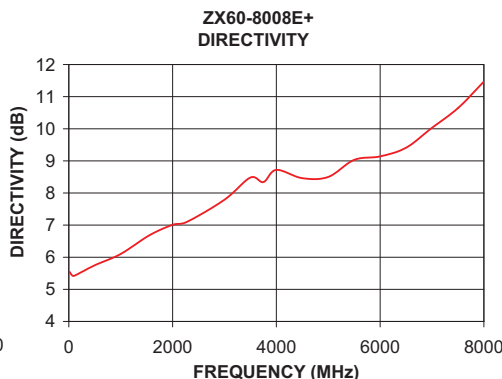
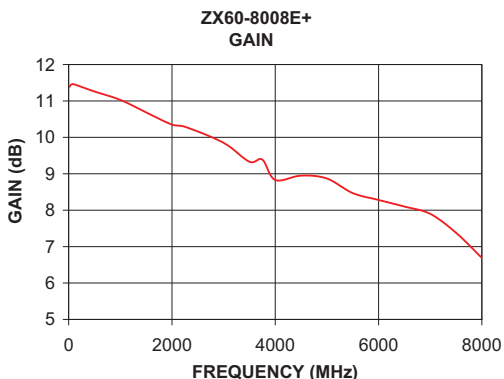
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Typical Performance Data & Curves at 25°C

ZX60-8008E+

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR IN (:1)	VSWR OUT (:1)	POWER OUT @1dB COMPRESSION (dBm)	IP3 (dBm)	NF (dB)
20	11.39	5.54	1.40	1.64	10.42	26.63	4.46
50	11.45	5.46	1.36	1.60	10.44	26.61	4.42
100	11.46	5.42	1.36	1.60	10.46	26.58	4.36
500	11.26	5.75	1.34	1.58	10.52	26.36	4.07
1000	11.03	6.10	1.30	1.57	10.46	26.12	4.00
1550	10.65	6.68	1.25	1.57	10.35	25.90	4.04
2000	10.35	7.01	1.19	1.55	10.28	25.73	4.09
2275	10.28	7.10	1.17	1.53	10.25	25.63	4.10
3000	9.85	7.79	1.08	1.48	10.24	25.33	4.09
3500	9.33	8.48	1.09	1.49	10.24	25.08	4.06
3750	9.39	8.34	1.13	1.50	10.24	24.94	4.05
4000	8.83	8.72	1.20	1.48	10.22	24.79	4.04
4500	8.95	8.46	1.35	1.50	10.13	24.42	4.05
5000	8.87	8.50	1.44	1.52	9.96	23.98	4.10
5500	8.47	9.03	1.58	1.62	9.67	23.43	4.19
6000	8.28	9.14	1.67	1.75	9.28	22.76	4.29
6500	8.10	9.41	1.74	1.92	8.78	21.96	4.40
7000	7.90	10.03	1.79	2.12	8.20	21.01	4.51
7500	7.38	10.64	1.86	2.34	7.57	19.89	4.67
8000	6.69	11.47	1.97	2.55	6.90	18.59	4.97



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