

Connectorized Amplifier

NEW!
ZX60-3018G

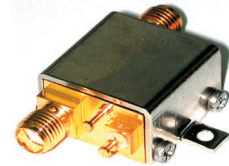
50Ω, 20 MHz to 3 GHz

Features

- Wide Bandwidth, 20 MHz to 3 GHz
- Low Noise Figure, 2.7 dB Typ.
- Output Power, Up to 12.8 dBm Typ.

Applications

- Buffer Amplifier
- Cellular
- PCS
- Lab
- Instrumentation
- Test Equipment



CASE STYLE: GC957
PRICE: \$49.95 ea. QTY (1-9)

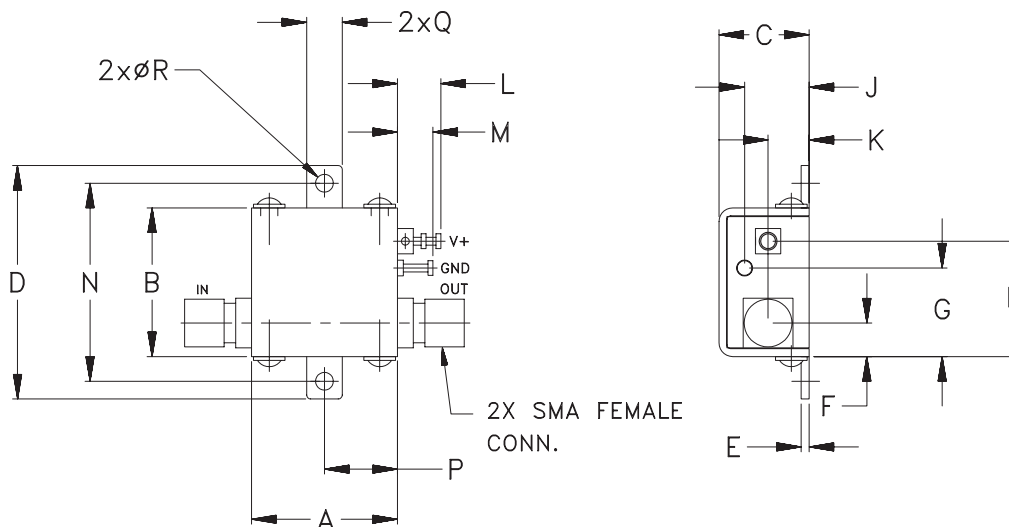
Electrical Specifications at $T_{AMB} = 25^{\circ}\text{C}$

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		VSWR (:1) Typ.		ACTIVE DIRECTIVITY (dB) Isolation-Gain Typ.	DC OPERATING CURRENT @ Pin V+ (mA)	
			0.1	1.0	2.0	3.0	Min. at 2 GHz		NF (dB) Typ.	IP3 (dBm) Typ.	In	Out		Typ.	Max.
ZX60-3018G	0.02-3	12.0	22.8	21.9	20.3	18.8	18.0	12.8 10.2	2.7	25.0	1.3	1.4	2-6	34	45

Maximum Ratings

Operating Temperature	-45°C to 85°C
Storage Temperature	-55°C to 100°C
DC Voltage	12.5V
Input Power(no Damage)	13dBm
Power	0.7W

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	wt.
.74	.75	.46	1.18	.04	.17	.45	.59	.33	.21	.22	.18	1.00	0.37	.18	.09	grams
18.8	19.1	11.6	30.0	1.0	4.3	11.4	14.9	8.3	5.3	5.6	4.6	25.4	9.4	4.6	2.3	23.0



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Mini-Circuits ISO 9001 & ISO 14001 Certified

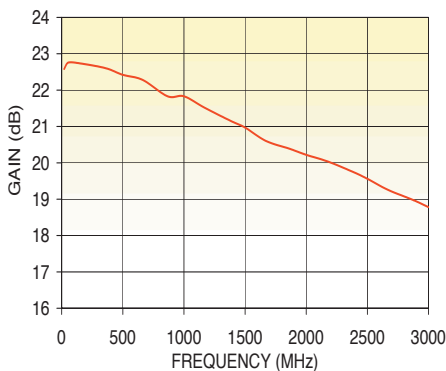
REV. OR
M97099
EDR-6178/4
ZX60-3018G
RAV
050323
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Typical Performance Data & Curves at 25°C

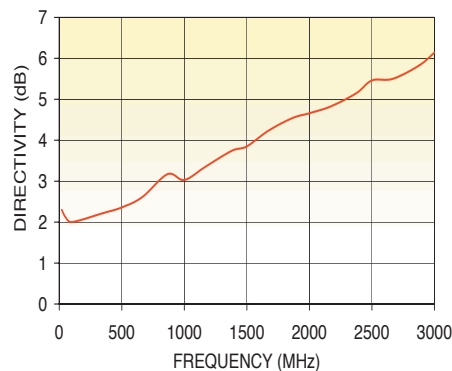
ZX60-3018G

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR IN (:1)	VSWR OUT (:1)	POWER OUT @1dB COMPRESSION (dBm)	IP3 (dBm)	NF (dB)
20	22.58	2.30	1.16	1.32	12.80	25.61	2.92
50	22.75	2.12	1.15	1.27	13.05	25.87	2.66
100	22.76	2.00	1.15	1.25	12.94	25.89	2.61
351	22.61	2.22	1.18	1.27	12.92	25.39	2.69
500	22.42	2.36	1.21	1.29	12.94	25.26	2.72
663	22.28	2.61	1.25	1.33	12.88	25.39	2.66
866	21.83	3.17	1.30	1.33	12.73	25.67	2.69
1000	21.83	3.03	1.31	1.39	12.76	25.66	2.64
1168	21.52	3.35	1.34	1.42	12.69	25.66	2.60
1378	21.16	3.74	1.38	1.46	12.51	25.64	2.59
1500	20.97	3.85	1.40	1.47	12.41	25.45	2.59
1671	20.60	4.23	1.41	1.47	12.15	25.80	2.60
1863	20.39	4.54	1.40	1.50	12.16	25.64	2.62
2000	20.22	4.66	1.40	1.51	11.89	25.08	2.63
2174	20.04	4.83	1.40	1.51	11.72	24.67	2.62
2376	19.76	5.15	1.39	1.49	11.39	23.90	2.61
2500	19.56	5.46	1.38	1.48	11.25	23.54	2.58
2668	19.26	5.50	1.37	1.48	10.65	22.94	2.60
2879	18.97	5.83	1.35	1.46	10.42	22.62	2.61
3000	18.78	6.14	1.34	1.45	10.09	22.36	2.64

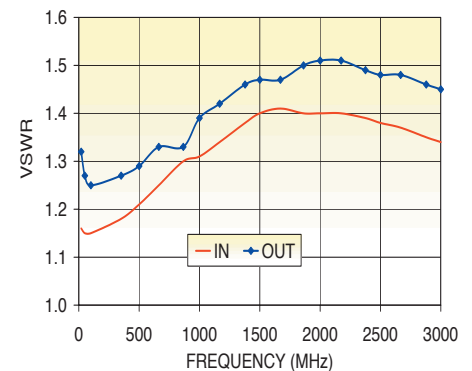
ZX60-3018G
GAIN



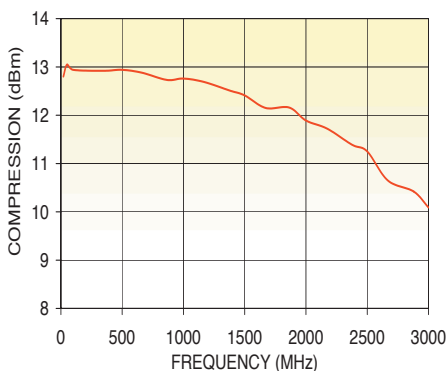
ZX60-3018G
DIRECTIVITY



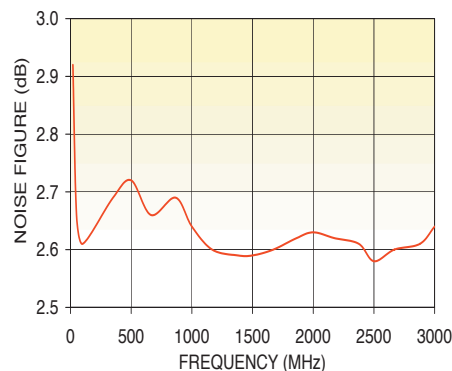
ZX60-3018G
VSWR



ZX60-3018G
1dB COMPRESSION



ZX60-3018G
NOISE FIGURE



ZX60-3018G
IP3

