

Coaxial

Low Noise Amplifier

ZQL-2700MLNW+
ZQL-2700MLNW

50Ω

2200 to 2700 MHz

Features

- very low noise, 1.5 dB max.
- high IP3, +38 dBm typ.
- rugged, shielded case

Applications

- MMDS
- communication systems



CASE STYLE: CW686

Connectors	Model	Price	Qty.
SMA	ZQL-2700MLNW(+)	\$281.95 ea.	(1-9)

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

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

Low Noise Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		NOISE FIGURE (dB)	GAIN (dB)		MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (:1) Typ.		DC POWER	
	f _L	f _U		Min.	Flatness Max.	Output (1 dB Compr.) Typ.	Input (no damage)		In	Out	Volt (V) Nom.	Current (mA) Max.
ZQL-2700MLNW(+)	2200	2400	1.3	25	±1.0	+25	+3	+38	1.25	1.15	15	325
	2200	2700	1.5	25	±2.3	+25	+3	+38	1.25	1.15	15	325

Open load is not recommended, potentially can cause damage.
With no load derate max input power by 20 dB

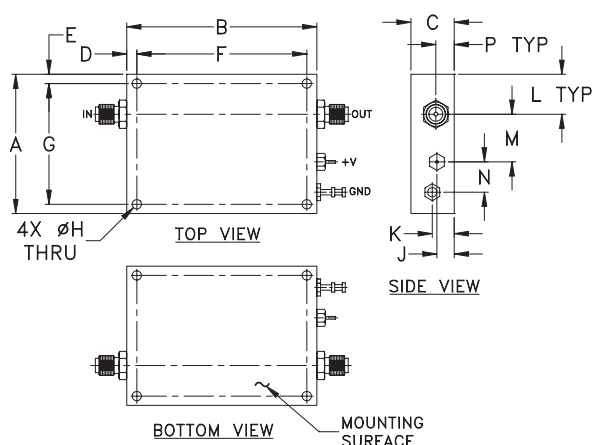
Maximum Ratings

Operating Temperature -40°C to 70°C

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	wt
1.77	2.42	.55	.13	.12	2.165	1.535	.126	.22	.28	.51	.61	.39	0.22	grams
44.96	61.47	13.97	3.30	3.05	55.0	39.0	3.20	5.59	7.11	12.95	15.49	9.91	5.59	71.0

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IF/RF MICROWAVE COMPONENTS

REV. B
M120695
ZQL-2700MLNW
081211
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Typical Performance Data/Curves

ZQL-2700MLNW+ ZQL-2700MLNW

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	15V	15V	IN	OUT	15V	15V
2200.00	31.68	38.00	1.23	1.20	0.77	25.38
2250.00	31.38	28.30	1.25	1.16	0.78	25.40
2300.00	31.21	32.20	1.27	1.10	0.81	25.49
2350.00	30.90	26.80	1.27	1.06	0.84	25.71
2400.00	30.63	26.10	1.27	1.05	0.90	26.02
2450.00	30.26	31.90	1.24	1.09	0.98	26.45
2500.00	29.83	26.70	1.21	1.14	1.06	26.33
2550.00	29.39	31.70	1.15	1.19	1.10	25.95
2600.00	29.00	30.90	1.09	1.23	1.14	25.60
2700.00	28.95	24.30	1.15	1.17	1.28	25.27

