

Coaxial Amplifier

Low Noise, Medium Power, 50Ω, 2200 to 2700 MHz

NEW!

ZQL-2700MLNW



CASE STYLE: CW686
CONNECTORS: SMA FEMALE
PRICE: \$281.95
QTY.: (1-9)

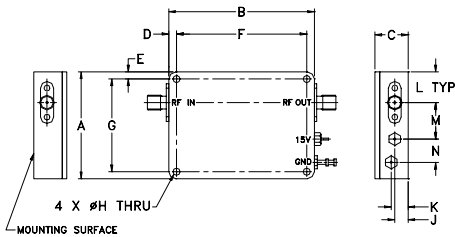
Maximum Ratings

Operating Temperature	-40°C to 70°C
Storage Temperature	-55°C to 100°C
DC Voltage	+17V max.

Features

- ultra low noise, 0.8 dB typ.
- medium power, 25 dBm typ.
- gain, 29 dB typ.
- IP3, 38 dBm typ.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.77	2.42	.55	.13	.12	2.165	1.535	.126
44.96	61.47	13.97	3.30	3.05	55.00	39.00	3.20
J	K	L	M	N	wt.		
.22	.28	.51	.61	.39	grams		
5.59	7.11	12.95	15.46	9.91	71		

Electrical Specifications

MODEL NO.	FREQ. (MHz) $f_L - f_U$	GAIN (dB)		NOISE FIGURE (dB)		MAXIMUM POWER (dBm)			INTERCEPT POINT IP3 (dBm) Typ.	VSWR (:1)		DC POWER			
		Typ.	Min.	Typ.	Max.	Typ.	Min.	Input* (no damage)		Typ.	In	Out	Typ.	Max. Current (mA)	
ZQL-2700MLNW	2200-2400	29	25	±0.5	±1.0	0.8	1.3	25	23	+3	+38	1.25	1.15	15	325
	2200-2700	29	25	±1.7	±2.3	1.0	1.5	25	23	+3	+38	1.25	1.15	15	325

* With no load at output derate max. input power by 15 dB.

Typical Performance Data

Frequency (MHz)	Gain (dB)	Directivity (dB)	VSWR		N.F. (dB)	Pout (dBm) (@1dB COMPR)
	15.0V	15.0V	IN	OUT		
2200.00	31.68	37.99	1.23	1.20	0.77	25.38
2250.00	31.38	28.29	1.25	1.16	0.78	25.40
2300.00	31.21	32.16	1.27	1.10	0.81	25.49
2350.00	30.90	26.81	1.27	1.06	0.84	25.71
2400.00	30.63	26.12	1.27	1.05	0.90	26.02
2450.00	30.26	31.89	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	31.67	1.15	1.19	1.10	25.95
2600.00	29.00	30.91	1.09	1.23	1.14	25.60
2700.00	28.95	24.26	1.15	1.17	1.28	25.27

