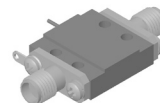




6881-700



0.5 TO 3.0 GHz QSL MICROWAVE AMPLIFIER

- SMALL SIGNAL GAIN: 31.5 dB (TYP.)
- POWER OUTPUT: +16.0 dBm (TYP.)
- NOISE FIGURE: 7.0 dB (TYP.)
- INTERNAL VOLTAGE REGULATION
- FIELD REPLACEABLE RF CONNECTORS

Specifications (Rev. Date: 3/02)*

Characteristics	Typical	Guaranteed	
		+25°C	-40° to +70°C
Frequency	0.4-3.5 GHz	0.5-3.0 GHz	0.5-3.0 GHz
Small Signal Gain (min.)	31.5 dB	30.0 dB	27.0 dB
Gain Flatness (max.)	±0.8 dB	±1.2 dB	±1.4 dB
Reverse Isolation	60 dB		
Noise Figure (max.)	7.0 dB	8.0 dB	9.0 dB
Power Output @ 1 dB comp. (min.)	+16.0 dBm	+14.0 dBm	+12.5 dBm
IP3	+26 dBm		
IP2	+46 dBm		
Second Order Harmonic IP	+50 dBm		
VSWR Input / Output (max.)	1.5:1 / 1.5:1	2.1:1 / 2.1:1	2.3:1 / 2.3:1
DC Current @ 15 Volts (max.)	190 mA	200 mA	225 mA

*Measured in a 50-ohm system at +15 Vdc Nominal.

Absolute Maximum Ratings

Storage Temperature	-62° to +125°C
Max. Case Temperature	125°C
Max. DC Voltage	+18 Volts
Max. Continuous RF Input Power	+13 dBm
Max. Short Term RF Input Power (1 minute max.)	50 mW
Max. Peak Power (3 µsec max.)	0.5 W

Outline Drawings

Package	QSL
Figure	QB
Model	6881-700

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