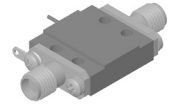




# 6883-700



## 2.0 TO 10.0 GHz QSL MICROWAVE AMPLIFIER

- SMALL SIGNAL GAIN: 26.0 dB (TYP.)
- POWER OUTPUT: +15.5 dBm (TYP.)
- NOISE FIGURE: 6.5 dB (TYP.)
- INTERNAL VOLTAGE REGULATION
- FIELD REPLACEABLE RF CONNECTORS

### Specifications (Rev. Date: 3/02)\*

Characteristics	Typical	Guaranteed	
		+25°C	-40° to +70°C
Frequency	1.5-10.0 GHz	2.0-10.0 GHz	2.0-10.0 GHz
Small Signal Gain (min.)	26.0 dB	25.0 dB	24.0 dB
Gain Flatness (max.)	±1.2 dB	±1.5 dB	±1.7 dB
Reverse Isolation	70 dB		
Noise Figure (max.)	6.5 dB	7.5 dB	8.0 dB
Power Output @ 1 dB comp. (min.)	+15.0 dBm	+14.0 dBm	+13.0 dBm
IP3	+26 dBm		
VSWR Input / Output (max.)	1.7:1 / 1.7:1	2.2:1 / 2.0:1	2.3:1 / 2.2:1
DC Current @ 15 Volts (max.)	150 mA	155 mA	165 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	6883-700

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