

## 6-18 GHz 21 dBm Gain Module

### FEATURES

- P<sub>-1</sub> dB: 21 dBm
- Small Signal Gain: 10.5 dB
- Noise Figure: 4.5 dB
- Bias Condition: 100 mA @ 8 V

### ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
<b>FREQ</b>	Frequency Range	6		18	GHz
<b>SSG</b>	Small Signal Gain	9.5	10.5		dB
<b>GOF</b>	SSG Flatness		± 0.4	± 0.5	dB
<b>P<sub>-1</sub> dB</b>	Output Power at 1 dB Gain Compression	20	21		dBm
<b>P<sub>-3</sub> dB</b>	Output Power at 3 dB Gain Compression			26	dBm
<b>NF</b>	Noise Figure		4.5	6.0	dB
<b>VSWR, IN</b>	Input VSWR		1.7:1	1.8:1	-
<b>VSWR, OUT</b>	Output VSWR		1.7:1	1.8:1	-
<b>VDC</b>	Supply Voltage		8		Volt
<b>IDC</b>	Current Supply		100	120	mA

**CARRIER: S41 / Z41 / S42 / Z42**