

## 6 – 18GHz 20 dBm Amplifier

### FEATURES

- P<sub>-1</sub> dB: 20 dBm (min.)
- Noise Figure: 4.5 dB (max.)
- Small Signal Gain: 28 dB
- Bias Condition: 0.49A @ 12V

### ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	6		18	GHz
<b>SSG</b>	Small Signal Gain	28	30		dB
<b>GOF</b>	Small Signal Gain Flatness			±2.0	dB
<b>NF</b>	Noise Figure		3.5	4.5	dB
<b>P1 dB</b>	Output Power at 1 dB Gain Compression	20	21		dBm
<b>Pin</b>	Input Power			20	dBm
<b>VSWR, IN</b>	Input VSWR		1.9:1	2:1	-----
<b>VSWR, OUT</b>	Output VSWR		1.9:1	2:1	-----
<b>VDC</b>	DC Supply Voltage ( <b>with built-in regulator</b> )		12		Volt
<b>IDC</b>	Current Supply			0.49	A
<b>OTR</b>	Operating Temperature Range	-40		70	

**CASE: HO7**