

## 16 – 18 GHz 10 dBm Power Amplifier

### FEATURES

- P<sub>1</sub> dB: 10 dBm
- Noise Figure: 2.7 dB (max.)
- Small Signal Gain: 50 dB (min.)
- Bias Condition: 280 mA @ 15 V

### ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	16		18	GHz
<b>SSG</b>	Small Signal Gain @ 25	50			dB
<b>P<sub>1</sub> dB</b>	Output Power at 1 dB Gain Compression @ 25		10		dBm
<b>NF</b>	Noise Figure @ 25			2.7	dB
<b>VSWR, IN</b>	Input VSWR @ 25		1.8:1	2:1	-
<b>VSWR, OUT</b>	Output VSWR @ 25		1.8:1	2:1	-
<b>Vdc</b>	DC Supply Voltage ( <b>with built-in regulator</b> )		15		Volt
<b>Idc</b>	Current Supply		0.28	0.3	A
<b>OTR</b>	Operating Temperature Range	-30		60	°C

**CASE: HD7**