

### 10 – 16GHz 20 dBm Amplifier

#### FEATURES

- P<sub>1</sub>dB: 20 dBm
- Noise Figure: 5 dB
- Small Signal Gain: 32 dB (min.)
- Bias Condition: 500 mA @ 12 V

#### ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	10		16	GHz
<b>SSG</b>	Small Signal Gain	32			dB
<b>GOF</b>	Small Signal Gain Flatness			1.0	dB
<b>GOT</b>	Gain Over Temperature			±2.0	dB
<b>P<sub>1</sub> dB</b>	Output Power at 1dB Gain Compression	20			dBm
<b>NF</b>	Noise Figure			5	dB
<b>VSWR, In</b>	Input VSWR		1.5:1		-----
<b>VSWR, Out</b>	Output VSWR		1.5:1		-----
<b>VDC</b>	DC Supply Voltage ( <b>with built-in regulator</b> )		+12		Volt
<b>IDC</b>	Current Supply			500	mA
<b>OTR</b>	Operating Temperature Range	-30		70	° C

**CASE: HH5**

**Connector: SMA Female**