

### 12.5 – 16 GHz 25 dBm Amplifier

#### FEATURES

- $P_{sat}$  : 25 dBm
- NF : 5 dB
- Bias Condition : 575 mA @ 12 V
- Small Signal Gain : 37 dB

#### ELECTRICAL SPECIFICATIONS ( $T_a = 25^\circ C$ )

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	12.5		16	GHz
SSG	Small Signal Gain	37			dB
GOF	Small Signal Gain Flatness		$\pm 0.7$	$\pm 1.0$	dB
NF	Noise Figure		5	7	dB
$P_{sat}$	Saturated Output Power	25			dBm
OPV	Output Power Variation ( Saturated )			3.5	dB
VSWR, In/Out	Input / Output VSWR			1.8:1	-----
VDC	DC Supply Voltage (with built-in regulator)		12		Volt
IDC	Current Supply			575	mA
OTR	Operating Temperature Range	-54		95	$^\circ C$

- Protection for reverse voltage and over voltage up to +18V at +12V pin.
- Connectors : SMA Female ( removable )
- CASE : HP7