

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 ($T_a = 25\text{ }^\circ\text{C}$)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	12.5		16	GHz
SSG	Small Signal Gain	37			dB
GOF	Small Signal Gain Flatness		± 0.7	± 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		12		Volt
IDC	Current Supply			575	mA
OTR	Operating Temperature Range	-54		95	$^\circ\text{C}$

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