

7.5 – 18 GHz 12 dBm Amplifier

FEATURES

- P_{1dB} : 12 dBm
- NF : 4.5 dB
- Bias Condition: 200 mA @ 15 V

ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	7.5		18	GHz
SSG	Small Signal Gain	22.5	24	25.5	dB
GOF	Small Signal Gain Flatness		±1.0	±2.0	dB
NF	Noise Figure			4.5	dB
P _{1dB}	Output Power at 1 dB Gain Compression	12			dBm
IP3	Third Order Intercept Point	22			dBm
Spurious	Spurious		50		dBc
Harmonics	Harmonics at 1dBCP	20			dBc
VSWR, IN/OUT	Input / Output VSWR			2.0:1	-----
MSIP	Max. Safe Input Power (CW)			20	dBm
V _{dc}	DC Supply Voltage		15		Volt
I _{dc}	Current Supply			0.2	A
OTR	Operating Temperature Range	0		75	°C

CONNECTOR : SMA Female, Replaceable

CASE : as attached

