



TM005-180-09-03

REV.1_04/12/2004

0.5 ~ 18 GHz 5 dBm Gain Module

FEATURES

- P_{1dB}: 5 dBm
- Noise Figure: 6.5 dB
- Bias Condition: 50 mA @ 4.5 V
- Small Signal Gain: 9.5 dB

ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	0.5		18	GHz
SSG	Small Signal Gain	9.5			dB
GOF	Small Signal Gain Flatness			± 0.5	dB
GOT	Gain Variation Over Temperature		± 0.5	± 0.7	dB
P _{1dB}	Output Power at 1 dB Gain Compression	5			dBm
P _{sat}	Pout at 3 dB Gain Compression			15	dBm
NF	Noise Figure			6.5	dB
Harmonic	2 nd harmonic (Pout at saturation)	15			dBc
	3 rd harmonic (Pout at saturation)	10			dBc
	3 rd harmonic (Pout at saturation) up to 1 GHz	6			dBc
VSWR, IN	Input VSWR			2 : 1	-----
VSWR, OUT	Output VSWR			2 : 1	-----
VDC	DC Supply Voltage		4.5		Volt
IDC	Current Supply			50	mA

CARRIER: L22