

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	2nd harmonic (Pout at saturation)	15			dBc
	3rd harmonic (Pout at saturation)	10			dBc
	3rd 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