

6 - 18 GHz 14 dBm Gain Module

FEATURES

- $P_{-1\text{ dB}}$: 14 dBm
- Small Signal Gain: 10 dB
- Noise Figure: 3.5 dB
- Bias Condition: 55 mA @ 8 V



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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	10	10.5		dB
GOF	SSG Flatness		± 0.4	± 0.5	dB
$P_{-1\text{ dB}}$	Output Power at 1 dB Gain Compression	13	14		dBm
NF	Noise Figure		3.5	4	dB
VSWR, IN	Input VSWR		1.7:1	1.8:1	-
VSWR, OUT	Output VSWR		1.7:1	1.8:1	-
VDC	Supply Voltage		8		Volt
IDC	Current Supply		55	65	mA

CARRIER: S41 / Z41 / S42 / Z42