

6-18 GHz 21 dBm Gain Module

FEATURES

- P₋₁ dB: 21 dBm
- Small Signal Gain: 10.5 dB
- Noise Figure: 4.5 dB
- Bias Condition: 100 mA @ 8 V

ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	9.5	10.5		dB
GOF	SSG Flatness		± 0.4	± 0.5	dB
P₋₁ dB	Output Power at 1 dB Gain Compression	20	21		dBm
P₋₃ dB	Output Power at 3 dB Gain Compression			26	dBm
NF	Noise Figure		4.5	6.0	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		100	120	mA

CARRIER: S41 / Z41 / S42 / Z42