

2 – 4 GHz 20 dBm Module

FEATURES

- P_{-1} dB: 20 dBm
- Bias Condition: 100 mA @ 8 V
- Small Signal Gain: 16 dB

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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	2		4	GHz
SSG	Small Signal Gain	15	16		dB
GOF	SSG Flatness		± 0.2	± 0.5	dB
P_{-1} dB	Output Power at 1 dB Gain Compression	19	20		dBm
VSWR, IN	Input VSWR		1.7:1	2:1	-
VSWR, OUT	Output VSWR		1.7:1	2:1	-
VDC	Supply Voltage		8		Volt
NF	Noise Figure		2.7	3.0	dB
IDC	Current Supply		100	110	mA
OTR	Operating Temperature Range	-40		90	$^{\circ}\text{C}$

CARRIER: S31 / Z31 / S32 / Z32