

2 ~ 8 GHz 20 dBm Module
FEATURES

- P_{1dB} : 20 dBm
- Bias Condition: 80 mA @ 8 V
- Small Signal Gain : 12 dB
- Noise Figure: 5 dB

ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	2		8	GHz
SSG	Small Signal Gain	12	13		dB
GOF	Small Signal Gain Flatness		± 0.3	± 0.5	dB
NF	Noise Figure		4.5	5	dB
P_{1dB}	Output Power at 1 dB Gain Compression	20	21		dBm
VSWR, IN	Input VSWR		1.8:1	2:1	-----
VSWR, OUT	Output VSWR		1.8:1	2:1	-----
Vdc	DC Supply Voltage		8		Volt
Idc	Current Supply		0.08	0.10	A
OTR	Operating Temperature Range	-40		+90	°C

CARRIER: S31 / Z31 / S32 / Z32