

6-18GHz 1W Balanced Amplifier Module

FEATURES

- P_{1dB} : 29dBm, typ..
- Bias Condition: 350 mA @ 9V

ELECTRICAL SPECIFICATIONS (specified@ 25°C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	6		18	GHz
SSG	Small Signal Gain	4.0	4.5		dB
GOF	Small Signal Gain Flatness		±0.6	±1.0	dB
GOT	Gain Variation over OTR		-0.012		dB/C
P_{1dB}	Output Power at 1 dB Gain Compression	+28	+29		dBm
Psat	Saturation Output Power		+30		dBm
IP3	Third Order Intercept Point		+35		dBm
H2	2 nd Harmonic @ P _{1dB}		-21		dBc
NF	Noise Figure		8		dB
VSWR	Input / Output VSWR		1.7:1	2.0:1	-----
ISO	Reverse Isolation		-17		dB
V_{dc}	DC Supply Voltage	8.9	9.0	9.1	Volt
I_{dc}	Current Supply, with small signal		350	400	mA
I_{dc}	Current Supply, with P _{1dB}		400	500	mA
OTR	Operating Temperature Range, base-plate	-40		+85	°C

