

Wide Band Power Amplifier 6GHz~12GHz



Features

- Gain: 23 dB Typical •
Output power: +30dBm Typical
- High P1dB: +27dBm Typical •
Supply Voltage: +24V
- 50 Ohm Matched Input / Output

Typical Applications

- Wireless Infrastructure
- RF Microwave & VSAT
- Military & Aerospace •
Test Instrument
- Fiber Optics

Electrical Specifications, TA = +25°C, Vcc = +24V

Parameter	Min.	Typ.	Max.	Units
Frequency Range	6		12	GHz
Gain	19	23		dB
Gain Flatness		±2.0	±3.0	dB
Gain Variation Over Temperature (-45 ~ +85)		±1.0		dB
Input VSWR		1.8	2.2	:1
Output VSWR		1.8	2.2	:1
Output Power for 1 dB Compression (P1dB)	26	27		dBm
Saturated Output Power (Psat)		30		dBm
Supply Current (Vcc=+24V)		150	300	mA
Efficiency at P1dB		25		%
Isolation S12		-40		dB
Input Max Power(no damage)		30		dBm
Weight	0.88			Ounces
Impedance	50			Ohms
Input / Output Connectors	SMA-Female			
Finish	Standard: Gold 40 micron; Nickel 220 micron thickness			
	Option: Gold 80 micron; Nickel 180 micron thickness			
Material	Aluminum			
Package Sealing	Epoxy Sealed (Standard)			
	Hermetically Sealed (Optional)			