

# 10W Ultra Wide Band Amplifier 0.7GHz~ 6GHz



### Features

- Gain: 36 dB Typical • Output power +38dBm Typical
- High P1dB: +35dB m Full Band
- 50 Ohm Matched
- AC 110V/220V powered

### Typical Applications

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

### Electrical Specifications, TA = +25°C

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.7		3.0	3.0		6.0	GHz
Gain	35	37		35	37		dB
Gain Flatness		±2.5			±2.0		dB
Gain Variation Over Temperature(-45 ~ +85)		±1.0			±1.0		dB
Input Return Loss		15			12		dB
Output 1 dB Compression Point (P1dB)	35	38		35	38		dBm
Saturated Output Power (Psat)		41			40		dBm
Supply Current		350	1350		350	1350	mA
Isolation S12	65	70		65	70		dB
Weight	106.15						ounces
Impedance	50						Ohms
Input / Output Connectors	SMA - Female						
Finishing	Black Painted Finish						
Material	Aluminum						
Package Sealing	Epoxy Sealing (Standard)						
	Hermetically Sealed (Option with extra charge)						