

## Ultra Wide Band AC – Power Amplifier 0.02GHz~0.55GHz



### Features

- Gain: 44dB Typical
- Output power + 44dBm Typical
- High P1dB: + 43 dBm Full Band
- 50 Ohm Matched Input / Output
- Size: 9.84" x 7.77" x 3.54"

### Typical Applications

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

### Electrical Specifications, TA = +25 °C, Vcc = AC110 ~ 220V, 50 Ohm System

Parameter	Min	Typ	Max	Min	Typ	Max	Units
Frequency Range	0.02		0.25	0.25		0.55	GHz
Gain	42	44		42	43		dB
Gain Flatness		±1.5			±1.0		dB
Gain Variation Over Temperature (-45 ~ +85)		±1.0			±1.0		dB
Input VSWR		1.3	1.5		1.3	1.5	:1
Output 1 dB Compression Point (P1dB)		44			43.5		dBm
Saturated Output Power (Psat)		45			44		dBm
Reference Supply Current (110VAC)		250	1000		250	1000	mA
Isolation S12		65			65		dB
Weight	127						Ounces
Impedance	50						Ohms
Input / Output Connectors	SMA - Female						
Finishing	Standard: Gold 40 micron; Nickel 220 micron thickness						
	Option: Gold 80 micron; Nickel 180 micron thickness						
Material	Aluminum/copper						
Package Sealing	Epoxy Sealing (Standard)						
	Hermetically Sealed (Option with extra charge)						