



65W solid state EMC Power Amplifier 6GHz~18GHz

Features



- Automatic Calibration
- Built in temperature compensation
- Adjustable attenuation: 31.5dB range, 0.5dB step size
- Saturated Output power +48dBm typical
- Supply Voltage: 110V/220V AC

Typical Applications

- Wireless Infrastructure
- Military & Aerospace

RF Microwave & VSAT
Test Instrument

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	6-18						GHz
Gain		60					dB
Gain flatness		± 5.0					dB
Gain Variation Over Temperature (-45 ~ +85)		± 3.0					dB
Input return loss		15					dB
Output return loss		15					dB
Output 1dB Compression Point (P1dB)		46					dBm
Saturated Output Power (Psat)		48					dBm
Isolation S12		80					dB

Weight	35 lbs	Impedance	50ohms
Power supply connector	D-SUB COMBO 3POS	Material	Aluminum/copper
Input / Output Connectors	Input: N-type female/SMA female Output: N-type female	Package Sealing	Epoxy Sealing (Standard)
			Hermetically Sealed (Option with extra charge)



Absolute Ratings

Supply Voltage	85-264VAC
RF Input Power (RFIN)	Psat-Gain

Biasing Up Procedure

Step 1	Connect input and output
Step 2	Turn on AC power
Step 3	Enable RF output

Power OFF Procedure

Step 1	Turn off RF output power
Step 2	Turn off AC power
Step 3	Disconnect Input and Output

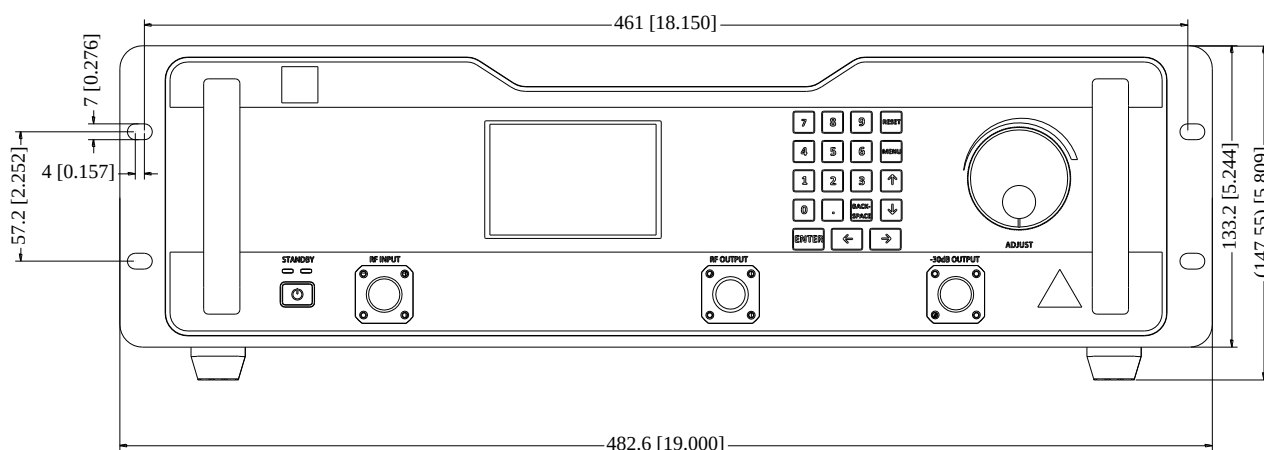
Environmental Specifications

Operational Temperature	-45°C~+85°C
Storage Temperature	-50°C~+125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Random vibration	Acceleration Spectral Density 6(m/s) Total 92.6 RMS
Shock	20G for 11msec half sine wave, speed variation 3.44m/s, 3 axis both directions

Outline Drawing:

All Dimensions in mm (inches)

Heat Sink required during operation(Sold Separately)





Outline Drawing:

All Dimensions in mm (inches)

Heat Sink required during operation(Sold Seperately)

