



## P/N: AMT-SPA-320380-100

### Features

- High output power at saturation, 100W Min.
- High gain, 60 dB Typ.
- Rugged 3U rack mount case style
- Operates from AC line power: 220 ( $\pm 10\%$ ) V
- Built-in over-temperature protection

### Applications

- Radar
- Laboratory test instrument
- RF Power stress test
- EMI and antenna testing
- Reliability testing

### Product Overview

This product is a high power, rack mount amplifier with a self-contained AC power supply which can be used for a wide variety of Radar and laboratory testing applications. This rugged amplifier is capable of amplifying signals up to 100W output power over operating frequency of 32-38GHz. Built-in protection features include automatic shut down mechanism to prevent damage in the event of excessive internal temperatures.

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**Technique Specification**

<b>Specification</b>	<b>Value</b>
Frequency Range	32-38 GHz
Saturated Output Power	≥50dBm/100W
Input VSWR	≤1.5
Output VSWR	≤1.5
Small signal Gain	≥60dB
Gain Variation	≤±4dB
Gain Adjustment Range	20dB, Step:0.1dB
Spurious	≤-55dBc
Output Power Stability	≤0.5dB/8h
Input Voltage	220 (±10%) V AC, 47~53Hz
Average Power Consumption	≤800W
Control	RF on/off, Attenuation setting, Alarm clear etc.
Status Reporting	Output power, Reflect power, Attenuation value, Module temperature, Module current, etc.
Automatic Protection	Overheating protection, Over current protection, Over reflection protection, etc.
RF Input	2.92-Female
RF Output	WR-28
Power Supply	Circle 4pin
Pulse Modulation	SMA-Female
LAN	RJ45
Weight	≤15Kg
Dimensions	3U 19-inch standard chassis
Cooling	Forced air
Operating Temperature	-10°C+55°C
Storage Temperature	50°C-+70°C
Humidity	100%
Storage(Humidity+ temperature)	Humidity 100% + temperature 35 °C



### Outline(mm)

