

MODEL NUMBER:
SS18G-40A

**40 WATT SOLID STATE
GAIN POWER AMPLIFIER
6 GHZ - 18 GHZ**



Class AB linear GaN design
Instantaneous ultra-wide bandwidth Rack mounted system Designed for broadband EMI/RFI, Lab, Communication applications Suitable for all single channel modulation standards Built-in protection circuits High reliability and ruggedness

FEATURES

- High Power Amplifier Class AB linear GaN design
- Suitable for all single channel modulation standards
- Built-in protection circuits
- Instantaneous ultra wide bandwidth
- Ethernet RJ-45 TCP/IP, RS422/485, GPIB (Remote Bluetooth App)
- Touch Screen - Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	NOTES
Operating Frequency Range	6.0 - 18.0 GHz	
Power Output @ Psat	40 Watt	CW
Power Output @ P1dB GCP	20 Watt Typ	CW
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Input / Output Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-20 dBc Typ	At rated output
Harmonics	-60 dBc Max	At rated output
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	100 - 240 VAC Nom	At rated output
Power Consumption	<600 Watt Typ	<10 Sec without damage
Input Power Protection	+3 dBm Max	
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation
Shock/Vibration	Normal truck transportation	
Dimensions W x H x D	430 x 133 x 560 mm	3U Excluding handles
Weight	20 kg (44 lbs)	
RF Connectors In/Out/Reference	Precision Hi Frequency Type-N Female	
AC Power / Control Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed

OUTLINE DRAWING

