

MODEL NUMBER:  
**SS40G-20**

**Solid State  
Amplifier**



The SS40G-20 is a solid-state, air-cooled, high power broadband amplifier designed for applications where immediate bandwidth, high frequency and distance is required. Available for bench-top use or with rack mounting.

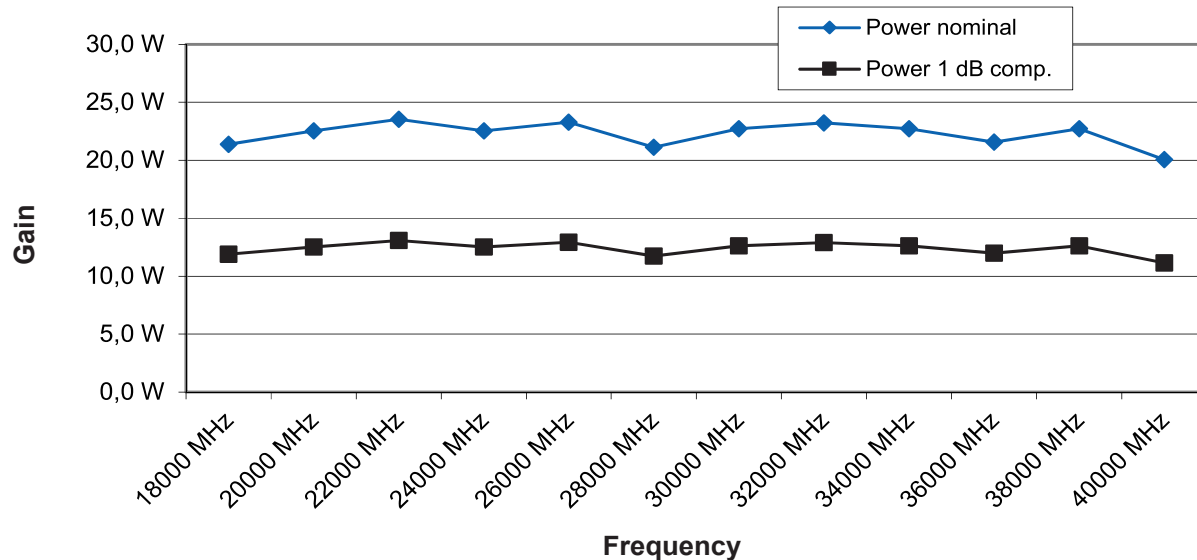
## FEATURES

- Class A-linear design
- Meets Standard MIL-STD(s)
- Compact and Robust System
- Reduced Thermal Radiation

## ELECTRICAL SPECIFICATIONS

Operating Frequency Range:	18-40 GHz
Power Output:	20 Watts
Power Gain:	43 dB
Harmonics 2nd/ 3rd:	15 / 20
Spurious:	-50 dBc
Max Input Power:	up to +10 dBm for no damage
Load VSWR Protection:	2:1

## TYPICAL GAIN



## ENVIRONMENTAL CHARACTERISTICS

Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-20 ... +85 °C
Relative Humidity:	up to 95% (non-condensing)

## MECHANICAL SPECIFICATIONS

Operating Voltage:	100 ... 240 V AC $\pm$ 10%, 47 ... 63 Hz
Power Consumption:	1200 VA
Dimensions WxHxD:	19 x 7 x 25 inches
Weight:	62 lbs
RF Input Connectors:	2.92 mm-f, standard on front panel
RF Output Connectors:	WRD 180, standard on front panel
Cooling:	forced air with integral blower air intake from front, air exhaust at rear

