

MODEL NUMBER:
SS40G-20

**Solid State
Amplifier**



SPECIFICATIONS

Frequency Range	18 - 40 GHz
Output Power P _N min / typ W	20 / 22
Gain min / typ dB	43 / 47 ±4
Harmonics 2nd / 3rd dBc	20 / 20
Line Power VA	700
Dimensions (H, D) 19"-System	2 HU, 16.9 in (430 mm)
Weight	35.2 lb (16 kg)

1 HU = 1.75 in (44.45 mm)

STANDARD SPECIFICATIONS

Input Power	0 dBm (1 mW) max.
Overdrive Protection	up to +10 dBm for no damage
Input Impedance	50 Ohm nominal
Output Impedance	50 Ohm nominal
Input VSWR	<2:1 typ.
Load VSWR	infinite for no damage (100% mismatch tolerant) P _N -0.5 dB min. at VSWR 2:1
Spurious (at P _N)	-60 dBc min. (excluding harmonics)
Class of Operation	A-linear or AB-linear

GENERAL

RF Input	2.92 mm-f, standard on front panel
RF Output	WRD 180, standard on front panel
Mains Supply	100 - 240 V AC ±10%, 47 ... 63 Hz
Elapsed Time Meter	via status display
Ambient Temperature	0 - +45 °C
Storage Temperature	-20 - +85 °C
Relative Humidity	up to 95% (non-condensing)
Operating Altitude	up to 2000 m above sea level
Vibration and Shock	MIL-STD-810 G
Cooling	forced air with integral blower air intake from front, air exhaust at rear

OPTIONS

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| A RF-Sample Ports *) | G Output Isolator *) | S Internal RF Switching Unit *) |
| B External Dual Directional Coupler | H DC Supply | U USB Remote Control |
| C IEEE-488.2 GPIB Remote Control | I 3x 208 V AC / 60 Hz | W Liquid Cooling |
| D Rear Panel RF Connectors | L LAN Remote Control | X External Control of other Amplifiers |
| E RF Power Indication (digital) *) | N Harmonics Filtering *) | *) These options may reduce output power and/or gain |
| F Gain Adjustment *) | R RS-232C/RS-485 Remote Control | |