



MODEL NUMBER:
SS6G-175

Solid State Amplifiers
1 ... 6 GHz

Frequency Range	Output Power P _N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
1 ... 6 GHz				3200	5 HU, 630 mm	55
1 ... 4 GHz	300 / 350	54.8 / 58 ±3	20 / 20			
4 ... 6 GHz	200 / 220	53 / 56 ±3	20 / 20			

1 HU = 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	N-f, standard on rear panel
RF Output	N-f, standard on rear panel
Mains Supply	200 ... 240 V AC ±10%, 47 ... 63 Hz
Elapsed Time Meter	via status display
Ambient Temperature	0 ... +45 °C
Storage Temperature	-25 ... 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

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

*) These options may reduce output power and/or gain

