



MODEL NUMBER:  
**SS6G-100**

### STANDARD MODELS

Model	Frequency Range	Output Power PN min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
SS6G-100	1 ... 6 GHz	100 / 120	50 / 53 ±3	15 / 20	1050	3 HU, 430 mm	22

### STANDARD SPECIFICATIONS

1 HU = 44.45 mm

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 <sub>N</sub> -0.5 dB min. at VSWR 2:1
Spurious (at PN)	-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	-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

- |  |                                 |   |
|--|---------------------------------|---|
| <b>A</b> RF-Sample Ports *)                | <b>F</b> Gain Adjustment *)     | <b>R</b> RS-232C/RS-485 Remote Control        |
| <b>B</b> External Dual Directional Coupler | <b>G</b> Output Isolator *)     | <b>S</b> Internal RF Switching Unit *)        |
| <b>C</b> IEEE-488.2 GPIB Remote Control    | <b>H</b> DC Supply              | <b>U</b> USB Remote Control                   |
| <b>D</b> Front Panel RF Connectors         | <b>L</b> LAN Remote Control     | <b>W</b> Liquid Cooling                       |
| <b>E</b> RF Power Indication (digital) *)  | <b>N</b> Harmonics Filtering *) | <b>X</b> External Control of other Amplifiers |

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