

MODEL NUMBER:
SS18G-10

Solid State Amplifiers
1 ... 18 GHz



SPECIFICATIONS

Frequency Range	1 ... 18 GHz
Output Power P _N min / typ W	10 / 12
Gain min / typ dB	40 / 44 ±4
Harmonics 2nd / 3rd dBc	15 / 20
Line Power VA	400
Dimensions (H, D) 19"-System	2 HU, 430 mm
Weight (kg)	14
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

1 HU = 44.45 mm

GENERAL

RF Input	SMA-f, standard on front panel
RF Output	SMA-f, 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

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

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