

MODEL NUMBER:  
**SS18G-150**

## SOLID STATE HIGH POWER AMPLIFIER



### SPECIFICATIONS

PARAMETER	SPECIFICATION
Operating Frequency Range	6 - 18 GHz
Output Power (P1dB)	150 Watts (typ)
Gain (min/typ dB)	52 / 56 ±4
Harmonics (2nd / 3rd dBc)	20 / 20
Line Power (VA)	2800
Dimensions (H, D) 19"-System	5 HU, 630 mm
Weight (kg)	36
Input Power	0 dBm (1 mW) max.
Overdrive Protection	up to +10 dBm for no damage
Input / 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 P <sub>N</sub> ):	-60 dBc typ. (excluding harmonics)
Amplifier Class	A-linear

### OPTIONS

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

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

## ENVIRONMENTAL CHARACTERISTICS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Shock & Vibration	MIL-STD-810E	Designed to meet

## TYPICAL GAIN

