



MODEL NUMBER:

**SS3100M-P1000**

**Pulsed Solid State Amplifier**  
1.2 - 1.4 GHz and 2.7 - 3.1 GHz Dualband,  
1000/500 W pk min.

## SPECIFICATIONS

Frequency Range	1.2 - 3.1 GHz
Output Power	1.2 - 1.4 GHz / 1000 W pk min. (10% Duty) 2.7 - 3.1 GHz / 500 W pk min. (10% Duty)
Input Power	0 dBm (1 mW) nom.
Pulse Width max.	100 $\mu$ s
Gain min / typ dB	60 $\pm$ 2 / 57 $\pm$ 2
Harmonics 2nd / 3rd	30 / 30 dBc
Line Power VA	1200
Overdrive Protection	up to +10 dBm for no damage
Input Impedance	50 $\Omega$ nominal
Output Impedance	50 $\Omega$ 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
PRF at 1 $\mu$ s Pulswidth	100 kHz (Duty 6 ... 10%)
PRF at 100 $\mu$ s Pulswidth	1 kHz (Duty 6 ... 10%)
Pulse Droop	1.0 dB max.
Spurious (at PN)	-60 dBc min. (excluding harmonics)
Class of Operation	A-linear or AB-linear
Dimensions (H, D) 19"-System	4 HU, 24.8 in
Weight	74.9 lbs

## OPTIONS

- A** Sample Ports \*)
- B** External Dual Directional Coupler
- C** IEEE-488.2 GPIB Remote Control
- L** Including LAN TCP/IP remote control interface
- R** RS-232C/RS-485 Remote Control
- S** Internal RF Switching Unit \*)
- U** USB Remote Control

