



# PSSA-10K100M-100

## 100W CW SS Amplifier

### Solid State Power RF Amplifier

The PSSA-10K100M-100 is a Solid State 100W (CW) Commercial RF Amplifier which covers frequency range from 10KHz to 100MHz. This amplifier can achieve high efficiency operation with proven reliability as is designed with the robust engineering and employment of the most advanced devices and components. The amplifier comes with 2 years warranty.

Parameter	Specification
<b>Electrical</b>	
Frequency Range	10KHz-100MHz
Output Power	100W CW, 80W @ P1dB
Internal Protection	Up to 0dBm for no damage
Gain @ rated power	50dB min.
Gain Adjustment	0 to 20dB
Input /Output Impedance	50 ohms(VSWR 2.0:1)
RF Input / Output Connectors	Type N Female
Modulation	AM / FM / Pulse
Spurious	-50dBc
Harmonics	-20dBc Typical @ P1dB
Prime Power	115/220V AC +/-10%, 50/60 Hz, Single Phase, 3 wires
<b>Mechanical</b>	
Configuration	Racks mounts 19"W x 26.13"D x 8.75"H
Cooling System	Air cooled ,self contained
Shock	MIL-STD-810C, method 516.2,
Vibration	MIL-STD-810C, method 514.2,

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Temperature	0° to 45° C
Non-operating Temp	0° to 60°C
Humidity	95% without condensation
Altitude	15,000 feet

## **OPTIONS**

001	VSWR Protection against any output mismatch; will operate without damage or oscillation against any magnitude and phase of source and load impedance.
002	Alternate Prime Power (specify at time of order).
003	RS 232 & Ethernet Remote Control.
004	Forward RF Sample Port Type N Female -50dBc nominal on the Front or Rear Panel.
005	Reflected RF Sample Port Type N Female -50dBc nominal on the Front or Rear Panel.
006	RF Input / Output Connectors on the Front Panel (Specify front or rear at time of order).
007	Elapsed Time Metering in hours.
008	Forward/Reflected Power Indication simultaneously on Front Panel display.

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