



Feature

- Broadband CW Solid State Power Amplifier
- Bandwidth: 9 kHz to 100 MHz wide bandwidth, minimum 3500 watts continuous wave output power
- Comprehensive detection protection features and interface circuit design
- Communication Interface: Ethernet

Detection and Protection Functions

- Output Power Detection
- Reflected Power Detection
- Environmental Temperature Detection
- Over Temperature Protection
- High Power Reflection Protection
- High Power Input Protection



P/N: AMT-SSPA-00091-3500

Technique Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	0.009	/	100	MHz
Output Power	Pout	3500	/	/	W
Power Gain Flatness@3500W	GF	/	/	± 3	dB
Power Gain	Gp	66	/	/	dB
Input Power@3500W	Pin	/	/	0	dBm
Input VSWR	VSWR	/	/	1.5	-
Harmonics@P ₋₁	H	/	/	-18	dBc
Spurious Signals	Spur	/	/	-55	dBc
Supply Voltage(AC)	U	342	380	418	V
Power Consumption	Pd	/	/	15000	W
Cooling	Forced Air With Integral Blower				
Ambient Temperature	Tc	0	/	+40	°C
Storage Temperature	Tstg	-20	/	+70	°C

Parameter	Specification	Unit	Remarks
Dimensions	19" standard rack, height $\leq 34U$	/	Customizable per user specifications
Weight	300 Approx.	Kgs	
Input RF Connector	N-Female	/	
Output RF Connector	15/8-Female	/	
Remote Control Interface	LAN	/	