



Feature

- Broadband CW Solid State Power Amplifier
- Bandwidth: 80MHz to 1GHz wide bandwidth, minimum 1000 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
- Temperature Detection
- Over Temperature Protection
- High Power Reflection Protection
- High Power Input Protection



P/N: AMT-SSPA-0810-1000

Technique Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	0.08	/	1	GHz
Output power	Pout	1000	/	/	W
Output 1dB Compression Point (P1dB)	P-1	900	/	/	W
Gain Flatness@1000W	GF	/	/	± 3	dB
Power Gain	GP	60	/	/	dB
Gain Adjustment	ADJ	20	/	/	dB
Input Power@1000W	Pin	/	/	0	dBm
Input VSWR	VSWR	/	/	1.5	-
Harmonic@900W	H	/	20	/	dBc
Spurious	Spur	/	55	/	dBc
Supply Voltage(AC)	U	342	380	418	V
Power Consumption	Pd	/	/	6000	W
Cooling	Forced Air With Integral Blower				
Ambient Temperature	Tc	0	/	+40	°C
Storage Temperature	Tstg	-40	/	+70	°C

Parameter	Specification	Unit	Remarks
Dimensions	19" Standard Rack, Height: 18U	/	Customizable per user specifications
Weight	150 Approx.	Kgs	
Input RF Connector	N-female	/	
Output RF Connector	7/16-female	/	
RF Coupling Connector	N-female		
Remote Control Interface	LAN	/	