



P/N: AMT-SPA5459-300P

Technique Specifications

Frequency Range(GHz)	5.4 - 5.9 GHz
Peak Pulse Output Power (W)	300 Min.
Input Power for Rated Output Power(dBm)	5
Power Gain(dB)	50 Min.
Power Gain Flatness(dB)	±1.5 Max.
Modulated Mode	Drain Modulation
PRF(KHz):	10KHz Max.
Pulse Width (uS)@ Duty Cycle 10%	150 Max.
Duty Cycle	10% Max.
Modulated Pulse Rise Time (ns) <10% to 90%>	50 Max.
Modulated Pulse Fall Time (ns) <10% to 90%>	100 Max.
Pulse Droop(dB)	1 Max.
Harmonics (dBc)@ P _{OUT} = 300W _{PK}	-20Max.
Spurious(dBc)	-60 Max.
Input/Output Return Loss(dB)	-10 Max.
Operating Voltage (V)	48 VDC
Power Consumption(W)	150 Max.
Size(mm)	190×120×27 Max.
RF Connector Input	SMA-Female
RF Connector Output	SMA-Female
Supply & Control Connector	9-pin J30J rectangular
Operating Temperature	-30°C~+55°C
Storage Temperature	-40°C~+70°C
Protection Functions	Overvoltage Protection; Overcurrent Protection; Over Reflection Protection Thermal Shutdown: ≥70 °C; Over duty cycle protection: ≥10.5%



Supply & Control Connector Table

J30J-09P02JSS00S00000		
Pin	Function	Description
A	+48V	
B	GND	
1	Pulse On/Off	
2	GND	
3	GND	
4	CLK	
5	DIO	
6	NC	
7	NC	



Outline(mm)

- (1) Overall Dimension: $\leq 190 \times 120 \times 27$ mm (TBD);
- (2) Total Weight: ≤ 2 KG(TBD);

