

**P/N: AMT-SPA-5070-50****1- Specifications**

Row	Parameter	Value
1	Frequency range	5-7GHz
2	Saturated output power	>47dBm
3	Output ripple	±1.5dB
4	Input power level (achieve rated output)	0dBm
5	Max. input power (not damaged)	15dBm
6	Input return loss	-10dB
7	Harmonics @47dBm	-25dBc
8	Spurious signals	-60dBc
9	Operating voltage	+28V DC
10	Efficiency	20% Min. 30% Typ.
11	Input and output RF Impedance	50Ω

2- Mechanical specification

Row	Parameter	Value
1	Dimension (WxDxH)	200x100x20mm
2	Weight	0.8 Kg maximum
3	RF connector input	Type-SMA, Female
4	RF connector output	Type-SMA, Female
5	Data & Power Connector	D-SUB (7W2)
6	Cooling	External heatsink, not supply

3- Environmental characteristics

Row	Parameter	Value
1	Operating temperature	-30~+55℃
2	Non- operating temperature	-40~+75℃

4- Protections

Row	Parameter	Value
1	Input overdrive	Diode limiter protection
2	Reverse RF power	1≤VSWR<3 : normal operation (active output) 4≤VSWR<∞: Interrupt function and send error (Output OFF)
3	Temperature	T>80℃ : alarming (active output) T>85℃ : error (output off)
4	Short and open of RF Output	Shutdown

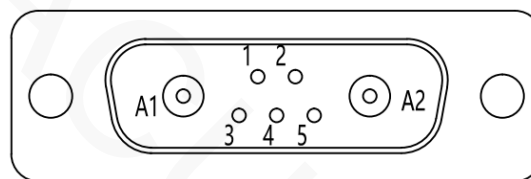


5	Reverse input DC voltage	Shutdown
6	Over/Under DC voltage	Shutdown

5- Communication interfaces

Row	Parameter	Value
1	RS-422	Serial management of Module
2	Interface Protocol	Reference "RS422 protocol"
3	Module Output Data	Forward & Reverse Power, Temp, Current
4	Module Input Data	Standby, Reset.

Connector of power supply and control, 7W2 (DA-7PZ-2dZ)



PIN	FUNCTION	SIGNAL
A1	Power Supply	+28V
A2	GND	GND
1	RS422	RS422-TX+
2	RS422	RS422-TX-
3	RS422	RS422-RX+
4	RS422	RS422-RX-
5	GND	GND

6- Dimensions

