



PA 100-500MHz,150W PA 500-2500MHz

No.	Item	AAM-010525-150W
1	Frequency Range	100-500MHz
		500-2500MHz
2	Gain	≥50dB
3	Small Signal Gain Flatness	≤4dB
4	Power Gain Flatness	≤1.5dB
5	Max Output Power	≥50dBm or ≥52dBm
6	Input Power	0-5dBm
7	Harmonics	3 rd harmonics ≥12dBc, 2 nd harmonics ≥15dBc
8	Spurious	>60dBc
9	Noise Figure	10dB
10	Input /Output VSWR	≤2
11	Working Voltage	28VDC
12	Quiescent Current	<1.2A Typ
13	Working Current	<11A (Max:15A)
14	Switch Time	<2uS typ.(5uS max.)
15	Efficiency	≥25% @CW:
16	RF Input Port	SMA-Female
17	RF Output Port	SMA-Female or N-Female
18	Input/output impedance	50ohms
19	Power Supply Interface	Pull-core Capacitor
20	Working Temperature	-20℃~+65℃
21	Storage Temperature	-30℃~+85℃
22	Size	Less 250*180*25mm
23	Weight	About 2kg
22	Protection	Shutdown: over more 70℃, and Auto-restart less50℃
		Shutdown: over High-VSWR, After trouble clearing, 5V Pulse to PIN2 to restart PA
23	I/O Port (DB9, Male)	PIN1: Vin: Indicator for Input Power (Max:4V), or NC.
		PIN2: Reset: Input 5V pulse voltage would restart PA after VSWR shutdown
		PIN3: TEMP: Alarm Over-High-Temperature (+5V), and PA shutdown
		PIN4: V-: Indicator for reversed RF power
		PIN5: GND: Grounding
		PIN6 :PTT: (Hanging in air or grouding : PA ON; +5V: PA OFF)
		PIN7: SWR: Alarm Over-high-VSWR (+3V), and PA shutdown
		PIN8: Vt: Indicator for PA Temperature (Vt=0.5V+TC×10mV/℃)
		PIN9: V+: Indicator for forward Power (Max: 4V)