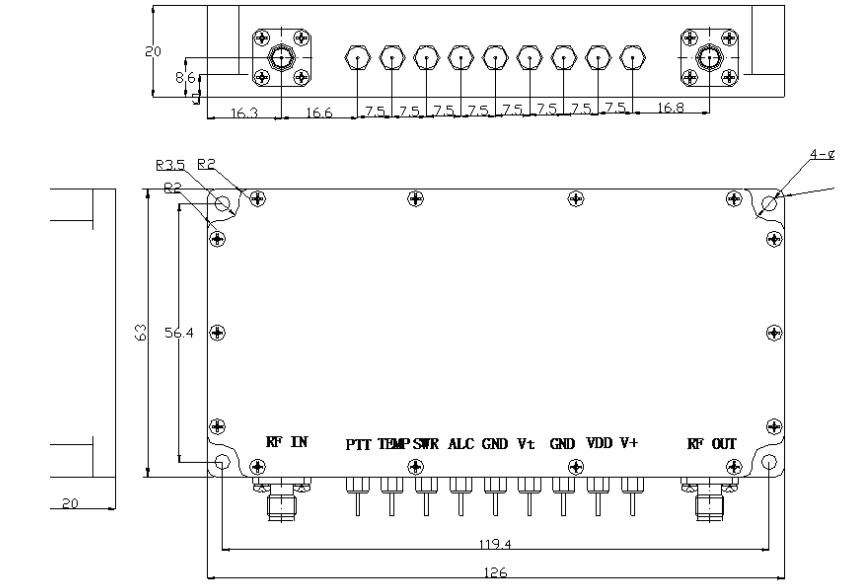
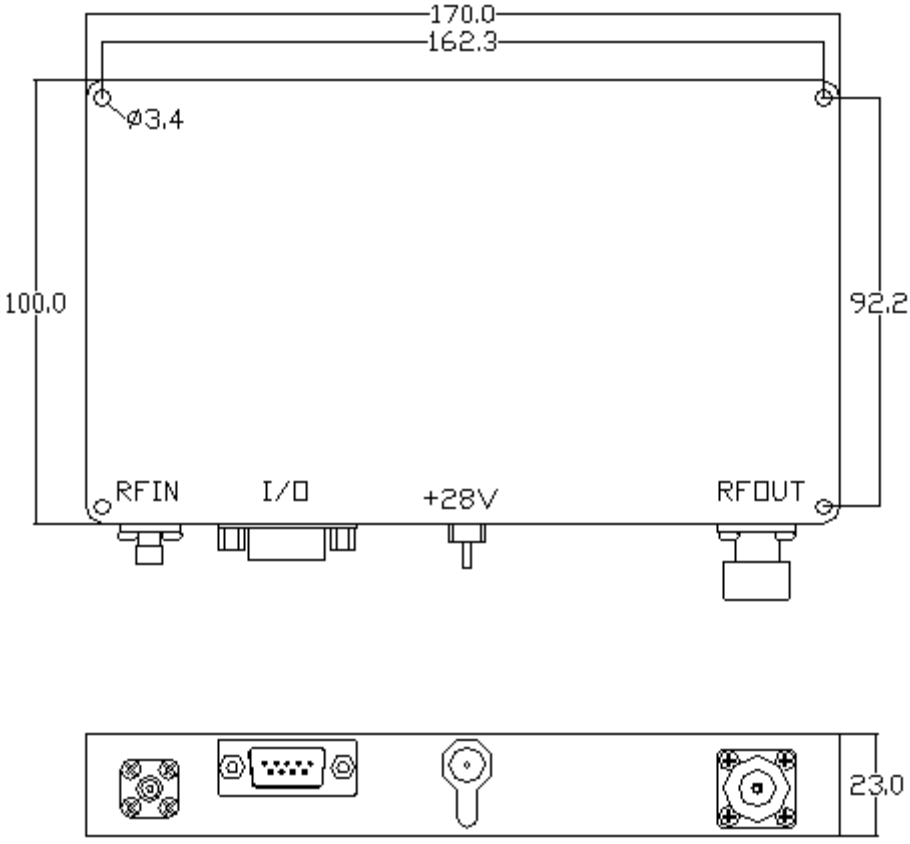
PA 5300-5900MHz Power Amplifier

No.	Item		AAM-5359-100W
1	Frequency Range		5300-5900MHz
2	Gain		>40dB
3	RF Output Power		50dBm
4	Input Level		10-15dBm
5	In-Band Ripple		1dB
6	Input VSWR		≤1.5
7	Output VSWR		≤2
8	Working Voltage		28VDC
9	Working Current		11A
10	Harmonics		≥12dBc at Odd harmonics, ≥15dBc at Even harmonics
11	Spurious		>60dBc at CW
12	Input/output impedance		50ohms
13	RF Input Port		SMA -Female
14	RF Output Port		SMA -Female or NK
15	Power Supply Interface		Pull-core capacitor
16	Working Temperature		-20 to 65℃
17	Efficiency		≥25% at CW
18	Dimension		About 180x91x26, 170x100x25mm
19	Protection (Optional)		Shutdown over more 70℃, Auto-restart less than 50℃or after 30s
			Shutdown over Output High-VSWR
20	I/O Port	DB9,Male (Optional)	PIN1: VSWR (VSWR ALarm)
			PIN2: TEMP (Temperature ALarm)
			PIN3: V+ (Forward Power indicator) (0-4V)
			PIN4: Vt (Temperature indicator,-40 to 150, 0.1-1.5V)
			PIN5: GND (Grounding)
			PIN6: V- (Reversed Power indicator) (0-4V)
			PIN7: Vc (Current Indicator) (0-4V)
			PIN8: PTT (Enable PA. Grounding or Hang in air: ON; +5V: OFF)
			PIN9: ALC (0-5V input, 5V: MAX Output Power,0V: Min Output Power)
		Pull-Core Capacitor (Optional)	SWR: VSWR Alarm over High-VSWR (+3V), and PA shutdown
			TEMP: Alarm Over High-Temperature (+5V), and PA shutdown
			GND: Grounding
			Vt: Indicator for Temperature, Vt=0.5V+TC×10mV/℃;
			V+: Indicator for Forward RF Power (Max:5V)
			PTT: Enable PA, 5V: PA OFF; Hang in air or grounding: PA ON
		DB9, Male RS485(Optional)	PIN1,PIN2: RS485A; PIN3,PIN4: RS485B; PIN5: GND


20
8.6
16.3
16.6
7.5
7.5
7.5
7.5
7.5
7.5
7.5
7.5
16.8
R3.5
R2
R2
4-ø
63
56.4
RF IN
PTT TEMP SWR ALC GND Vt GND VDD V+
RF OUT
20
119.4
126


170.0
162.3
ø3.4
100.0
92.2
RFIN
I/O
+28V
RFOUT
23.0