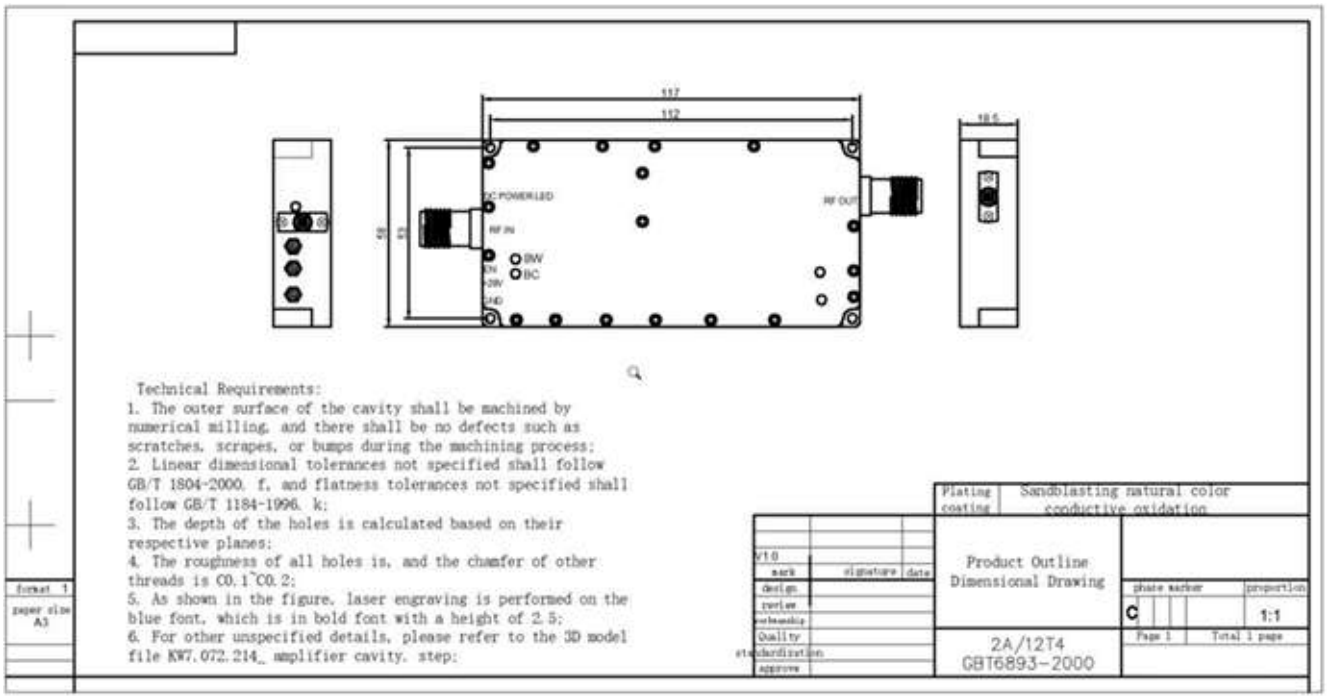
30W Module Technical Datasheet

RF DATA

ITEM		SPECIFICATIONS	REMARKS
Frequency Range		5500-5700 MHz	Bandwidth Range ±10MHz
Working Voltage		28V	20-32V
Input Power (Max)		≤10dBm	
Output Power (Max)		≥ 44.8dBm	30W
Gain (Max)		40±1 dB	
Ripple in Band		≤ 3 dB	Peak
Bandwidth Adjustment		Yes	By screw
Center Adjustment		Yes	By screw
Enable Control		Customize	3-28V
EN Switch Frequency		10000 times	Switching time interval ≥ 3S
Output VSWR		≤2	
High Low Temperature Test	Working Temperature	-20～+65℃	Working properly
	Gain Stability	±1 dB	At -20℃~+55℃
	Power Stability	±1 dB	At -20℃~+55℃
Working Current		≤3A @+28V dc;	CW output 30W
Power Supply Port		Positive and negative lines	24-28V; GND
Assembly Execution Standard		IPC-A-610 Class 1	
Design Execution Standard		SJ20668-1998	
RF Output Connector		SMA-Female	
Green LED Indicator Light		CD Power ON/OFF	When the power supply voltage is normal, it lights up,and when the power is turned off, it turns off
Working life		10000 hours	The temperature of the chamber during operation shall not exceed 65℃
Dimension		117*58*18 mm	
Installation Dimension		112*53*18 mm	
Screw Size		4-Ø3.20 mm	
Weight		230g	



The red box indicates the location of the low-level amplification tube, which is the main heating area with a heat generation of approximately 20-30W;

The cavity uses copper blocks for heat conduction, evenly transferring heat to the aluminum cavity;

Note that when the red LED lights up, check if there are any issues with the heat dissipation, if the screws securing the PA are tightened, and if the PAand heat sink are coated with heat dissipation silicone grease

Technical Solution: