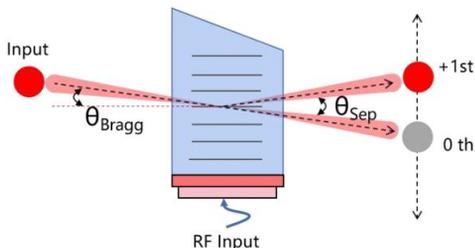


RF Driver Specifications 射频驱动器产品规格书 RD1053-060-24-050-SA



1. SPECIFICATIONS (规格)

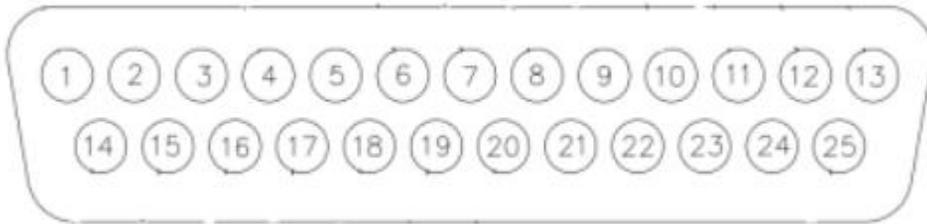
RF frequency (射频频率) (单点)	60 MHz
Frequency stability (频率稳定度)	+/-40ppm/°C
Output power (输出功率)	50 W
VSWR (输出驻波比)	1.3/1
Linearity (线性度)	1.1/1
Extinction ratio (消光比)	45-50dB
Rise time (上升时间) (10%-90%)	80-100ns
Fall time (下降时间) (90%-10%)	80-100ns
Trigger frequency (触发频率)	100kHz
Trigger delay (触发延迟)	110ns ± 20ns
Second and multiple harmonics (二次及多次谐波)	<-30dBc
Output Impedance (输出阻抗)	50 Ω
Connection (接口)	输入DB15-M 输出SMA-F
DC Power Input (直流电源输入)	+24VDC
Cooling (散热方式)	Fin-cooled (散热片冷却)
Temperature Range (温度范围)	0-50°C环境温度

2. ORDERING CODES (编码规则)

	C/F	Supply voltage	PWR	IC/work mode	
RD1001—	XXX	— XXX	— XXX	—	XX
27.12 MHz	027	024 24 V	050 50 W		SA
40.68 MHz	041	048 48 V	100 100 W		CF

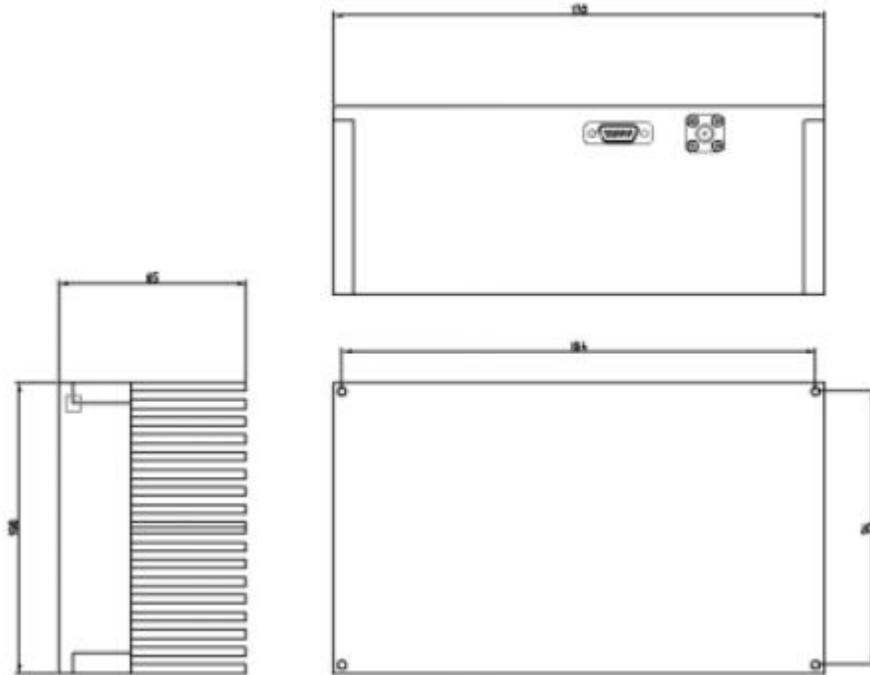
散热片冷却, A05模式;
传导冷却, FPS模式;

3. Interface definition (接口定义)

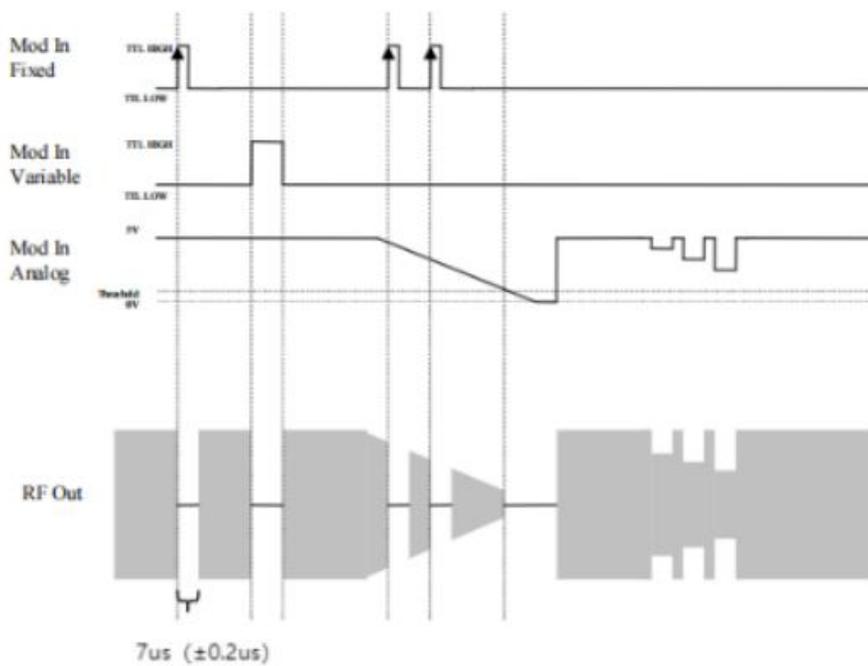


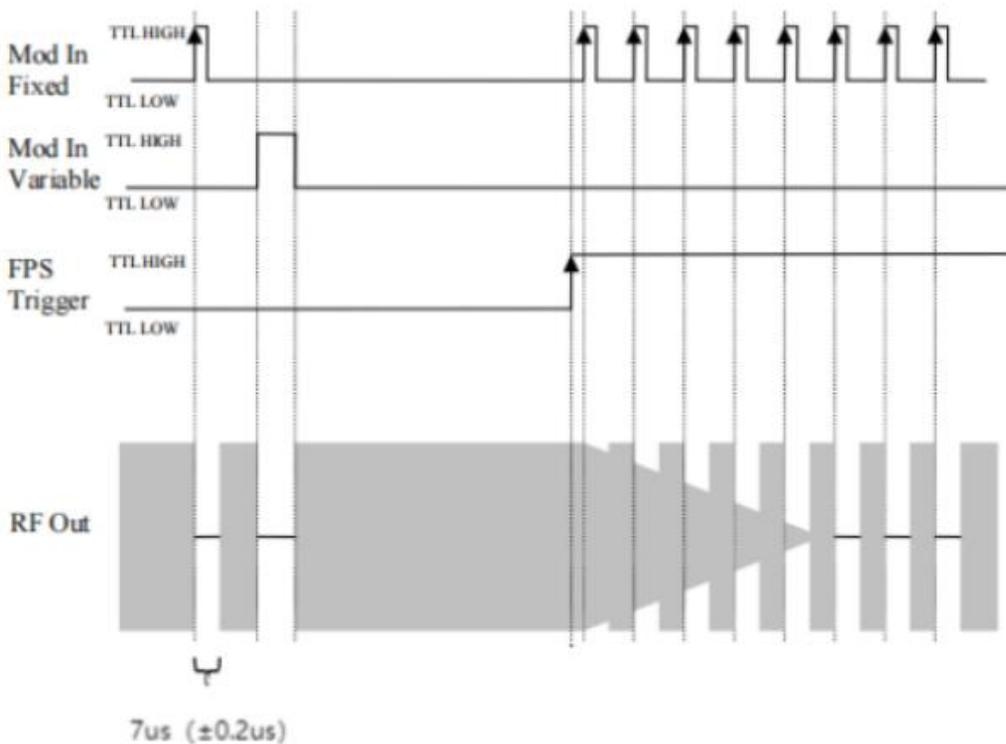
引脚		功能
名称	NO.	
NC	1-3	没有连接
THERM RTN	4	GND-用作负载过温报警反馈
NC	5	没有连接
THERM	6	负载的过温警报
DRV TEMP	7	驱动过温报警
QS TEMP	8	Q开关高温报警
VSWR	9	空载报警
LP	10	低功率报警
HP	11	高功率报警
ANALOG	12	外部模拟信号控制
FAULT RESET	13	报警复位 (输出脉冲低电平可对驱动连续波报警进行复位)
FPS	14	首脉冲抑制控制/FPS control
MOD IN FIXED	15	固定脉宽控制 (固定脉宽触发射频打开的时间为6-7us (±0.25us))
Digital	16	外部数字信号控制
NC	17-24	没有连接
GND	25	地

4. DIMENSIONS (外形尺寸-mm)



5. Control Logic (控制逻辑)





6. SUGGESTED AO Device (建议声光器件型号)

7. REVISION (版本)

Number (版本号)	Revisions date (修订日期)	Revision (修改项目)	Revision description (修订内容说明)
A	2023. 2. 27	New	/

Quality Assured: In house made, high damage threshold, Vacuum bonding, 100% Diffraction efficiency test & burn-in test.