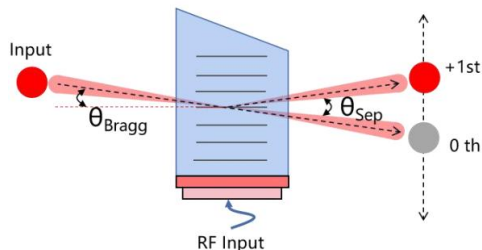


RF Driver Specifications 射频驱动器产品规格书 RD1044-080-24-100-WA



1. SPECIFICATIONS (规格)

RF frequency (射频频率) (单点)	80 MHz
Frequency stability (频率稳定度)	$\pm 10\text{ppm}/^{\circ}\text{C}$
Output power (输出功率)	100 W
VSWR (输出驻波比)	1.5/1
Linearity (线性度)	1.1/1
Extinction ratio (消光比)	45-50dB
Rise time (上升时间) (10%-90%)	90-150ns
Fall time (下降时间) (90%-10%)	90-150ns
Trigger frequency (触发频率)	100kHz
Trigger delay (触发延迟)	110ns
Second and multiple harmonics (二次及多次谐波)	$< -20\text{dBc}$
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)	Water-cooled (水冷散热)
Temperature Range (温度范围)	10-50 $^{\circ}\text{C}$ 环境温度

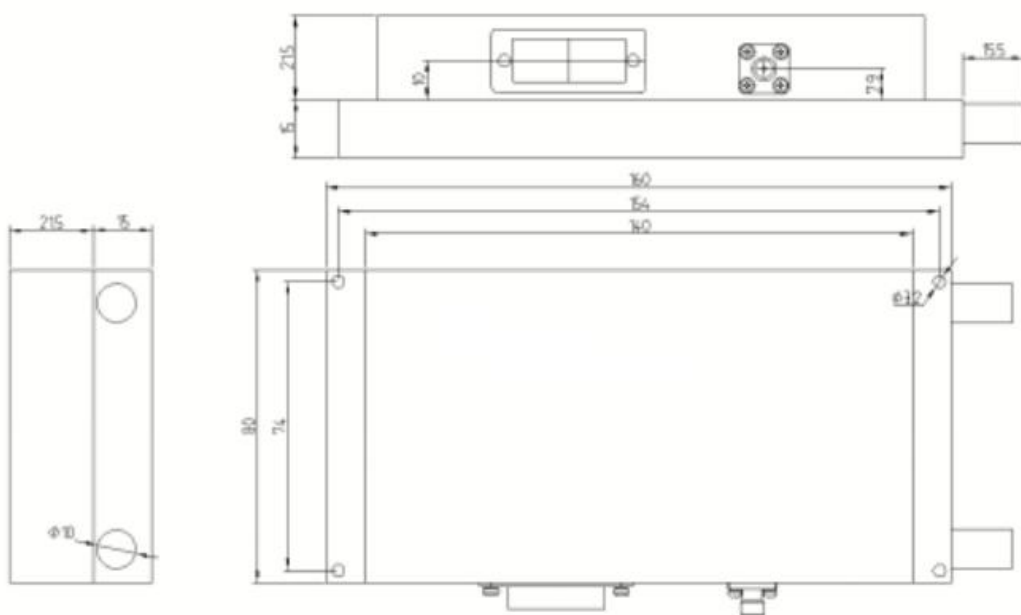
2. ORDERING CODES (编码规则)

	C/F	Supply voltage	PWR	IC/work mode	
RD1001—	XXX	— XXX —	XXX	— XX	
27.12 MHz	027	024 24 V	050 50 W	SA	散热片冷却, A05模式;
40.68 MHz	041	048 48 V	100 100 W	CF	传导冷却, FPS模式;

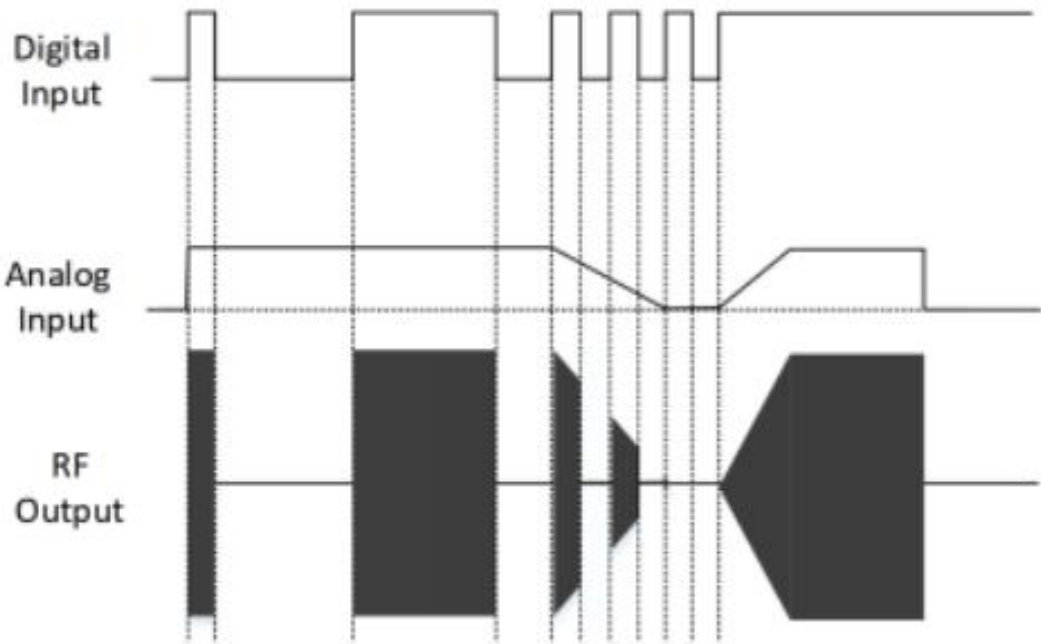
3. Interface difinition (接口定义)

名称	引脚	功能
Digital	5	外部数字信号控制/Digital control
Analog	6	外部模拟信号控制/Analog control
Alarm	7	驱动模块过温报警（高于90° 高电平）
Alarm	9	空载报警（高电平 无输出功率）
GND	4	地
+24V 电源	12	电源/Power

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.