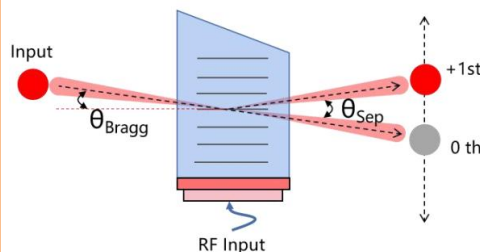


RF Driver Specifications 射频驱动器产品规格书 RD1036-080-24-015-CZ



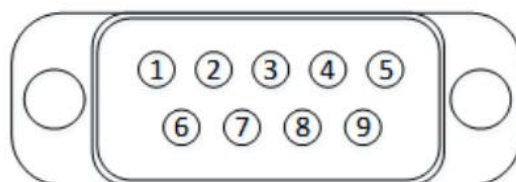
1. SPECIFICATIONS (规格)

RF frequency (射频频率) (单点)	80 MHz
Frequency stability (频率稳定度)	$\pm 40\text{ppm}/^\circ\text{C}$
Output power (输出功率)	15 W
VSWR (输出驻波比)	1.2/1
Linearity (线性度)	1.1/1
Extinction ratio (消光比)	45-50dB
Rise time (上升时间) (10%-90%)	<20ns
Fall time (下降时间) (90%-10%)	<20ns
Trigger frequency (触发频率)	100MHz
Trigger delay (触发延迟)	50ns
Second and multiple harmonics (二次及多次谐波)	-25dBc
Output Impedance (输出阻抗)	50 Ω
DC Power Input (直流电源输入)	+24VDC@15W/+12V&15VDC@12W
Cooling (散热方式)	Conduction cooling (传导冷却)
Temperature Range (温度范围)	10-50 $^\circ\text{C}$ 环境温度

2. ORDERING CODES (编码规则)

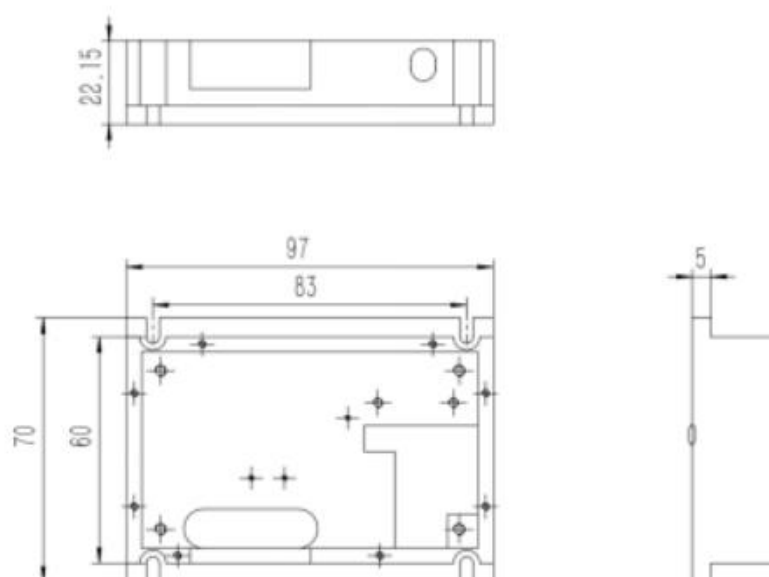
	C/F	Supply voltage	PWR	IC/work mode	
RD1001—	XXX	— XXX —	XXX	— XX	
27.12 MHz	027	024 24 V	050 50 W	SA	散热片冷却, A05模式;
40.68 MHz	041	048 48 V	100 100 W	CF	传导冷却, FPS模式;

3. Interface definition (接口定义)

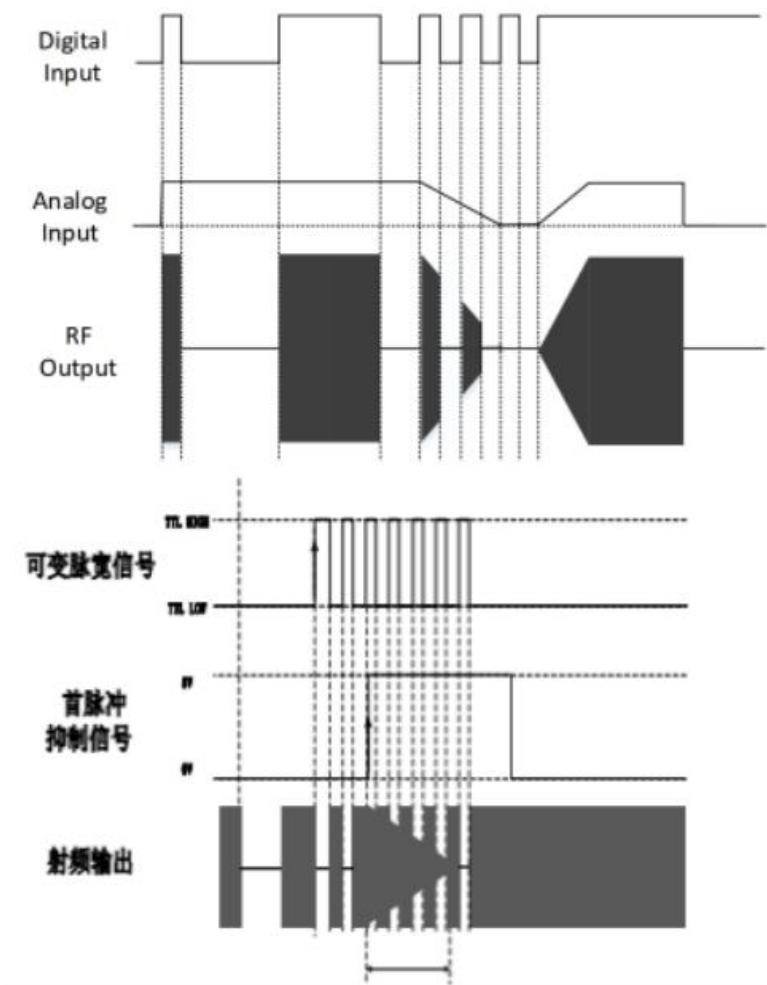


引脚		I/O	功能
名称	NO.		
+24V 电源	5, 9	I	电源/Power
GND	1, 6	-	地
TTL取反	2	I	接GND低电平出光
NC	3	I	NC
Digital	4	I	可变脉宽输入（默认高电平出光）
FPS	7	I	首脉冲抑制控制/FPS control
NC	8	I	NC

4. DIMENSIONS (外形尺寸-mm)



5. Control Logic (控制逻辑)



6. SUGGESTED A0 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.