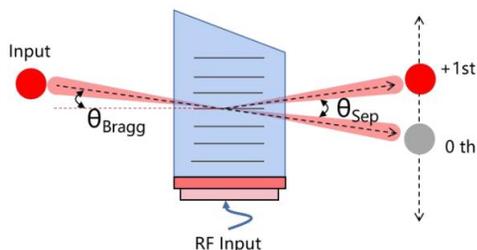


### RF Driver Specifications 射频驱动器产品规格书 RD1023-068-24-025-CZ



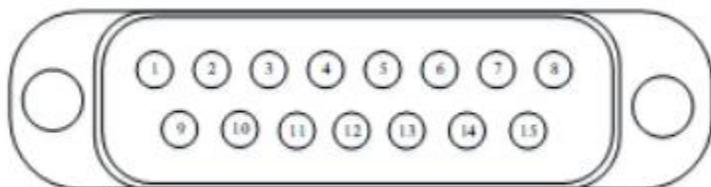
## 1. SPECIFICATIONS (规格)

RF frequency (射频频率) (单点)	68 MHz
Frequency stability (频率稳定度)	$\pm 40\text{ppm}/^\circ\text{C}$
Output power (输出功率)	25 W
VSWR (输出驻波比)	1.2/1
Linearity (线性度)	1.1/1
Extinction ratio (消光比)	$> 45\text{dB}$
Rise time (上升时间) (10%-90%)	20-50ns
Fall time (下降时间) (90%-10%)	20-50ns
Trigger frequency (触发频率)	1MHz
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 $\Omega$
DC Power Input (直流电源输入)	+24VDC
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)

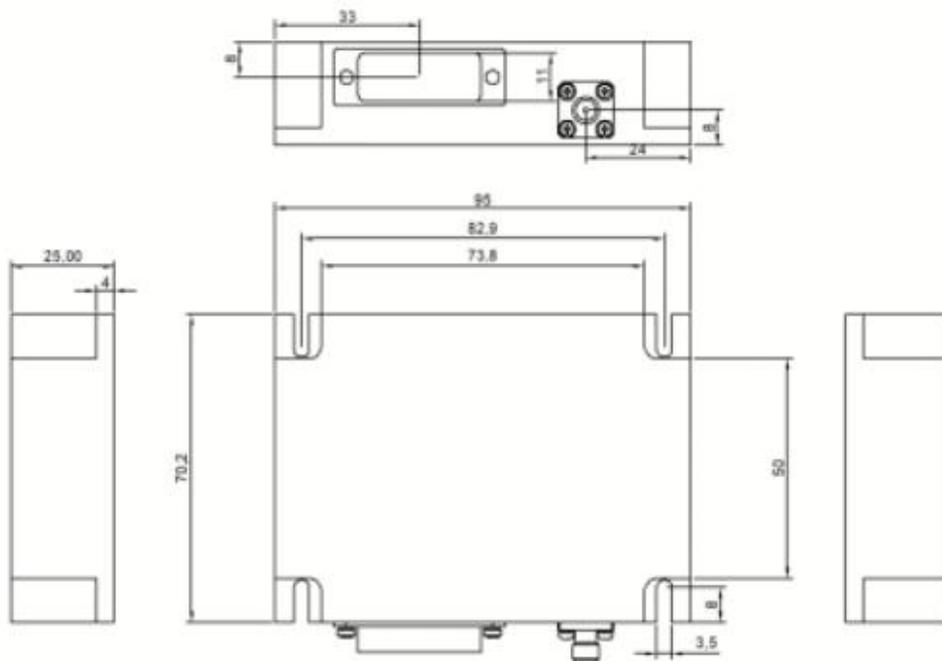
	C/F	Supply voltage	PWR	IC/work mode	
RD1001—	XXX	— XXX	— XXX	—	XX
27.12 MHz	027	024 24 V	050 50 W	SA	散热片冷却, A05模式; 传导冷却, FPS模式;
40.68 MHz	041	048 48 V	100 100 W	CF	

### 3. Interface definition (接口定义)

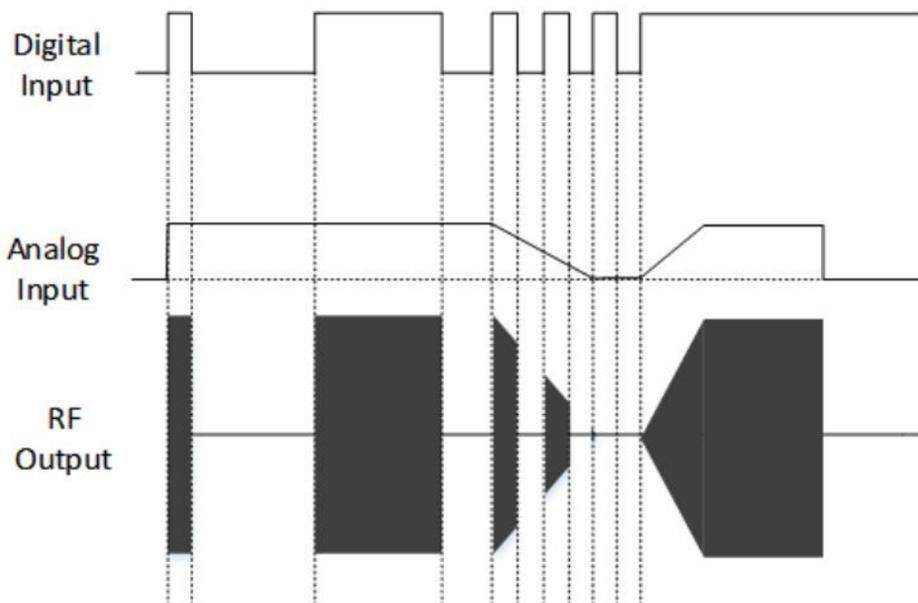


名称	引脚	功能
FPS	2	首脉冲抑制控制
Digital	5	外部数字信号控制 (3.3-5V)
Analog	6	外部模拟信号控制 (0-5V)
GND	4	地
+24V 电源	12	供电
NC	1, 3, 7, 8, 9, 11, 13, 14, 15	/

### 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. 10. 24	New	/

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