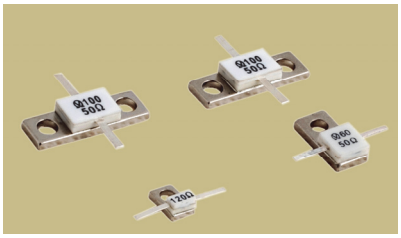


## 科研军品

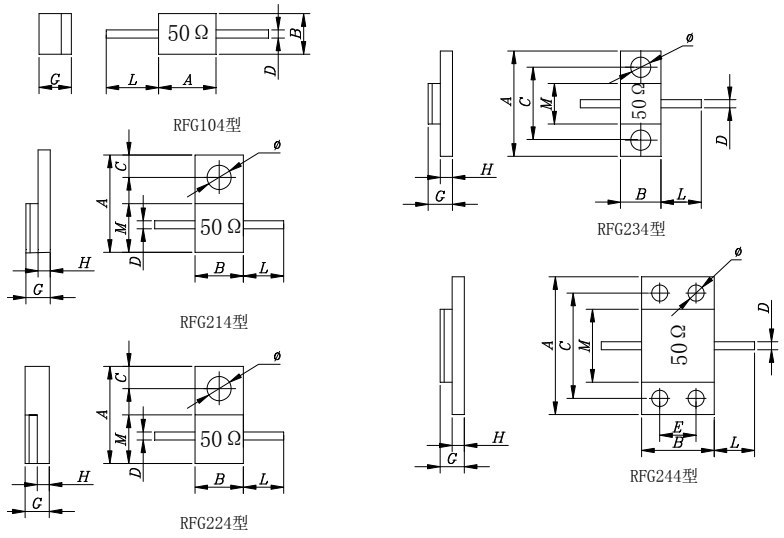
■分布电容低
Low distributed capacitance

# RFG 双引线微波功率型负载电阻器
# RFG Series double leads, RF, power, load resistor

## ■ 适用标准 Applicable specifications

■Q/RU241-2003 RFG 型功率负载电阻器民品详细规范
■Q/RU20006-2002 RFG 型功率负载电阻器军品详细规范

## ■ 外形尺寸图 Dimensions




## ■ 外形尺寸和主要技术指标 Dimensions and main specifications

| 型号 Type | 脉冲功率 Pulse Power (W) | 工作频率 Frequency (GHz) | 外形尺寸 Dimension（mm） | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A ±0.2 | B ±0.2 | C ±0.2 | D ±0.2 | M ±0.2 | L ±1 | G max | H ±0.2 | Φ ±0.2 | R ±0.2 | E ±0.2 |
| RFG1 | 1 | 0～6 | 5 | 2 | | 1.5 | | 6 | 2.0 | | | | |
| | 2 | | 6 | 3 | | 2 | | | | | | | |
| | 3 | | | 5 | | 3 | | | 2.4 | | | | |
| | 5 | | 9 | 6 | | | | | 2.6 | | | | |
| | 10 | | 10 | 8 | | 6 | | | | | | | |
| RFG21 | 20 | 0～6 | 7.6 | 5 | 2.5 | 1 | 2.5 | | 3.8 | 1.2 | 3.1 | | |
| | | | 10 | | | 1.5 | 4 | | | 1.5 | | | |
| | 30 | | 14.5 | 6.5 | 3.5 | | 6.3 | | | | 3.5 | | |
| | 60 | | 13.1 | 6.3 | 3.2 | 1 | | | | | 3.1 | | |
| | 150 | 0～3 | 14.3 | 9.5 | 4 | 2 | | | | | | | |
| RFG22 | 100 | 0～3 | 13.1 | 6.3 | 3.2 | 1.5 | | 6.3 | | | | | |
| | 120 | | | | | | | | | | | | |
| RFG23 | 10 | 0～6 | 12.7 | 5 | 7.6 | 1 | 2.5 | 6 | | 1.2 | | | |
| | 12 | | 13.8 | 4 | 9 | 0.8 | 5 | | 2.8 | 0.6 | 2 | 3.5 | |
| | 20 | | 15 | 5 | 11 | 1 | 4 | | 3.5 | 1 | 2.2 | | |
| | 30 | | 20 | 6 | 14 | 1.5 | 9 | | 5 | 2 | 3.1 | | |



对于本页内容的任何变更，恕不另行通知。订货前，请确认技术参数。Specifications are subject to change without notice.

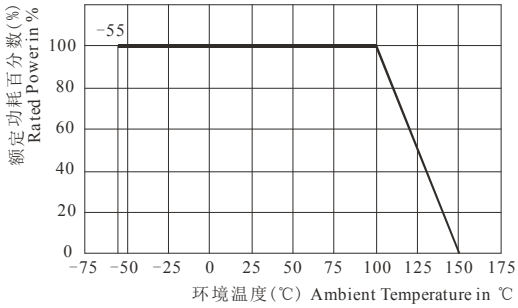
| 型号 Type | 脉冲功率 Pulse Power (W) | 工作频率 Frequency (GHz) | 外形尺寸 Dimension（mm） | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A ±0.2 | B ±0.2 | C ±0.2 | D ±0.2 | M ±0.2 | L ±1 | G max | H ±0.2 | Φ ±0.2 | R ±0.2 | E ±0.2 |
| RFG23 | 40 | 0～6 | 20.3 | 6 | 15.2 | 1.5 | 9 | 6 | 4.6 | 2 | 3.1 | | |
| | 50 | | 21 | 8 | 15 | | 10 | | 4.8 | | | | |
| | 60 | | 20.3 | 6 | 15.2 | | 9 | | 4.6 | | | | |
| | 75 | | 22 | 6.5 | 15.5 | | 9.5 | | 3.8 | 1.5 | 3.5 | | |
| | 100 | 0～3 | | | | | | | | | | | |
| | 150 | | | 10 | | 3 | 8 | | 4.8 | 2 | 3.2 | | |
| | 200 | | 25 | 9.6 | 18.5 | | 9.5 | | 6 | | 3.5 | | |
| | 250 | | | | | | | | 6 | 3 | | | |
| | 400 | 0～2 | 32 | 12.7 | 22 | 6 | 12.7 | | 6.5 | 3.1 | 4 | | |
| RFG24 | 400 | 0～1 | 48.3 | 26.4 | 39.4 | | 25.4 | | | | 4.2 | | 12.7 |
| | 800 | | | | | | | | | | | | |

■阻值范围 Range of resistance: 1～300Ω

■阻值允许偏差 Resistance tolerance: ±2%, ±5%

■电阻温度系数 TCR: ≤ ±150×$10^{-6}$/°C; ≤±300×$10^{-6}$/°C

## ■ 降功耗曲线 Derating Curve




注：安装表面温度：辅助散热器与电阻器安装表面之间的温度

Annotation： Mounting surface temperature: temperature between assistant flange/heat sink and resistor mounting surface

## ■ 订货指南 Ordering Information

**RFG – 2 – 2 – 4 – 120W – 50Ω J – Q/RU241-2003**

| 产品型号 Type | 是否带散热板 With Flange/Heat Sink or not 1.No 2.Yes | 散热板结构 Flange/Heat sink type 1.单孔 single hole 2.单孔带台阶 (single hole with step) 3.双孔 two holes 4.四孔 four holes<br>无散热板时 (without Flange/Heat sink) 0.涂覆 coated 1.带盖板 with cover 2.带盖板且背面金属化 with cover and metalized the back | 引出端 Terminal 1.左引线 Left lead 2.中引线 Middle lead 3.右引线 Right lead 4.双引线 double leads 5.单引线 single lead | 功率 Power | 标称阻值及精度 Nominal Resistance And Tolerance G(±2%) J(±5%) | 标准代号 Technical Standard |
|---|---|---|---|---|---|---|