

RT11微型控制继电器是引进日本富士电机株式会社全套专有制造技术生产的新颖印制板焊装式继电器，具有体积小、可靠性高、开闭容量大、寿命长等特点，线圈功耗较低，可以由IC等半导体元件直接驱动，最适合作为电子回路的输出接口元件。

RT11 card relay is a new generation of printed circuit board type relay, applying the know-how technology introduced from Fuji Electric Co., Ltd. in Japan. It has specialties of small size, good reliability, large making and breaking capacity, long life, etc. It can be used in low-level circuits of direct input for IC and semiconductor device. The relay is especially suitable for input / output relay for electronic circuits.



技术数据 Technical data

型号 Type	RT11	RT11-H
线圈额定电压 Input voltage (Us)	DC5, 6, 9, 12, 24, 48, 60V	
动作电压 Pick-up voltage	≤75%Us	≤80%Us
释放电压 Drop-out voltage	≥10%Us	
动作时间 Operating time	<15ms	
释放时间 Release time	<5ms	
约定发热电流 Rated thermal current	3A	
额定控制容量 Rated control ratings	AC220V 3A DC30V 3A DC110V 0.5A (阻性负载 Res. load)	
额定功耗 Power consumption	0.45W	0.36W
接触电阻 Contact resistance	<100mΩ	
绝缘电阻 Insulation resistance	>100MΩ	
工频耐压 Dielectric strength	触点线圈间 between contact and coil: AC1500V 1min	
	触点间间距 between open contacts: AC1000V 1min	
振动 Vibration	10~55Hz 1.0min (6G) 振动稳定性及振动强度 Malfunction durability and mechanical durability	
冲击 Shock	100m/s ² 冲击稳定性 Malfunction durability	
	1000 m/s ² 冲击强度 Mechanical durability	
环境温度 Temperature range	-40~+70℃	
机械寿命 Mechanical life	2×10 ⁷	
产品重量 Net weight	9g	

型号含义 Type number nomenclature

RT11-□

型式特点 Versions

无标志: 基型

No code: Standard type

H: 高灵敏度型

High sensitivity type

触点数量 Contact arrangement

1, 1 转换

SPDT

设计序号

Design No.

微型继电器

Relay

特点 Feature

- 超小型，安装面积为14×16×21.5mm，重量仅9g
- 线圈消耗功率低，标准型为0.45W，高灵敏度型为0.36W，可以由半导体元件直接驱动
- 采用印制板焊装形式，端子排列符合印制电路板2.54mm模数设计
- 触点开闭容量大，接触可靠性好，最适合作为电子回路的输出接口继电器
- Miniature size, 14(W)×16(H)×21.5(D)mm, light weight 9g.
- The coil power consumption of standard type is 0.45W and high sensitivity type is 0.36W. It can be used in low-level circuits of direct input for IC and semiconductor device.
- The terminal arrangement of relay facilitates attachment to printed circuit board whose distance between hole centers is 2.54mm.
- The relay is especially suitable for input and output relay for electronic circuits.

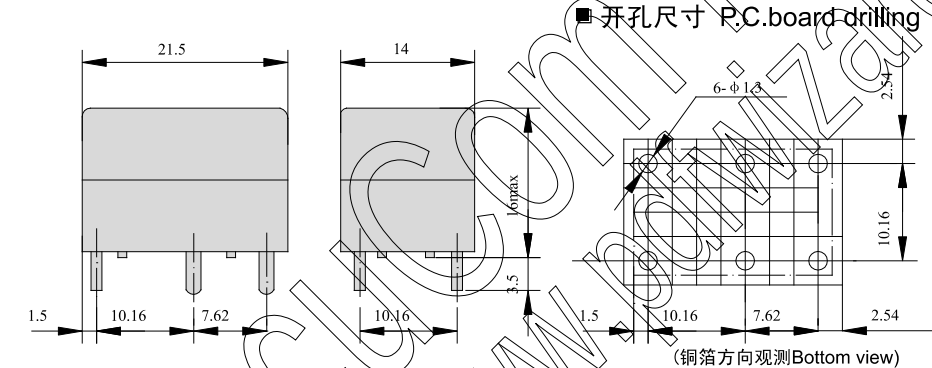
RT11

CARD RELAY微型继电器

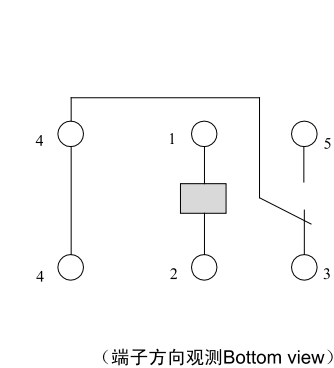
电寿命 Technical data

电压 Voltage	接通 Make		分断 Break		寿命（万次） Electrical life (×10 ⁴ operations)
	电流 Current (A)	功率因数或时间常数 Power factor or time constant	电流 Current (A)	功率因数或时间常数 Power factor or time constant	
AC220V 感性负载 Ind. load	10 5	cos φ=0.7	1 0.5	cos φ=0.3~0.4	6.4 16
AC220V 阻性负载 Res. load	3 1	cos φ=1	3 1	cos φ=1	12 10
DC24V 感性负载 Ind. load	1 0.2	T=7ms	1 0.2	T=7ms	15 120
DC24V 阻性负载 Res. load	3 1	T=0ms	3 1	T=0ms	10 40

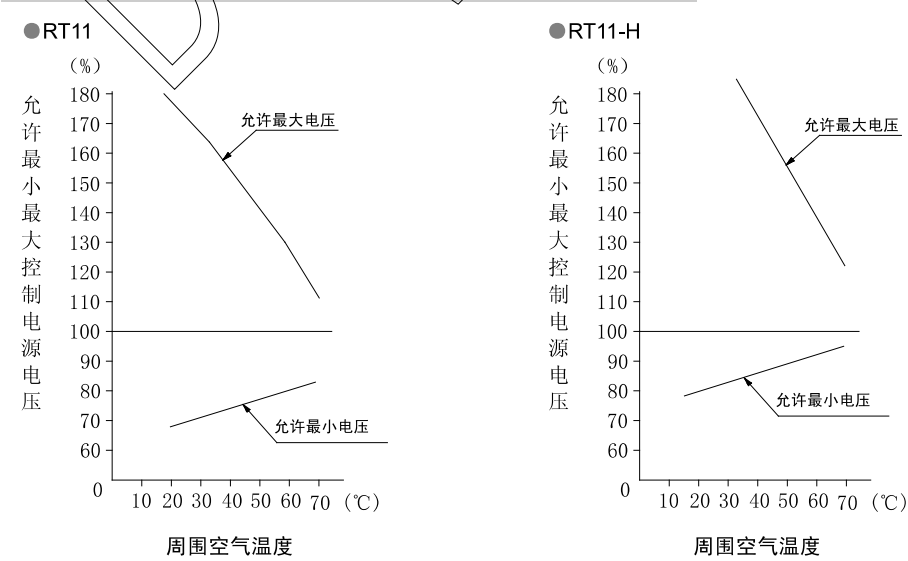
外形尺寸及安装尺寸 Dimensions, mm



接线图 Technical data



继电器环境温度与允许电源电压特性曲线
Temperature and voltage tolerance diagrams



继电器允许电源电压波动范围较宽，即使在周围空气温度为70℃时，也允许电源电压在85%~110%额定电源电压范围内波动