

RF Solar relay



- 25A power relay
- High capacity, high endurance
- Much air-con standard insulation distance
- Flux-proof type
- Contact GAP: Min.1.5mm

Compliance Certification Number

cUL : E345228

Contact

Contact arrangement 1 form A

Contact material Ag alloy

Contact specification

Contact rating 25A/250VAC
Rated contact current 25A
MAX.contact capacity 6,250VA
MIN.applicable load DC5V, 100mA

Coil rating

D Type

Rated voltage	Rated current	Coil resistance	Operating power
(V)	(mA)	($\Omega \pm 10\%$)	(mW)
10	117	103	1,400

Note:

1. 10V relay use on 12VDC.
2. After the energization time of 50ms with 12VDC the coil requires a reduction of the coil voltage to 4.7~6.0VDC.

Performance

Contact resistance MAX.100m Ω (DC6V 1A)

Operate voltage MAX.75%(room temp.)

Release voltage MIN.5%(room temp.)

Operate time MAX.20ms

Release time MAX.10ms

Dielectric strength Between contact 2,500VAC(1min.)

between coil to contact 4,000VAC(1min.)

Surge resistiveness 10,000VAC(1.2/50 μ s)

Insulation resistance 1,000M Ω (500VDC)

Temperature rise Coil MAX.35K

Contact MAX.40K

Vibration Error operation 10~55Hz(Amplitude 1.5mm)

Endurance 10~55Hz(Amplitude 1.5mm)

Shock Error operation 98m/s²

Endurance 980m/s²

Life Electrical 25A/250VAC, T65, 100,000ops.

2HP/240VAC, T65, 30,000ops.

Mechanical 1,000,000ops.

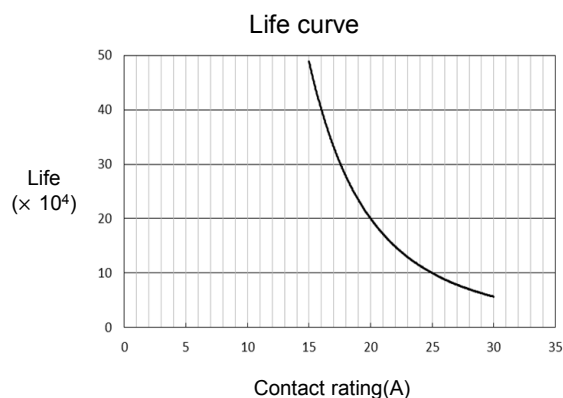
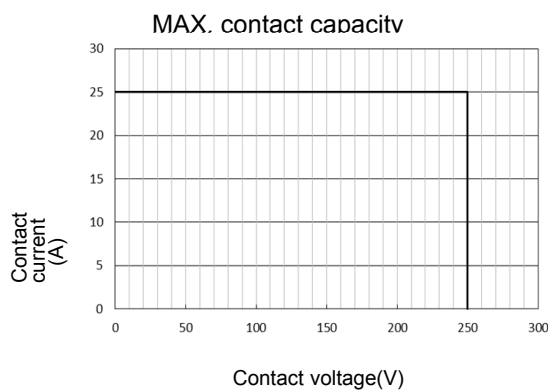
Operating temperature -40~65

Operating humidit 20~85%

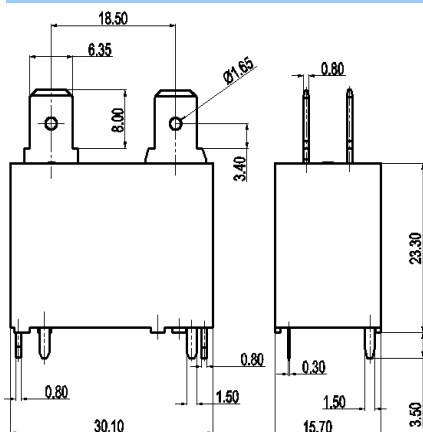
Product code structure

	RF	-SS	-1	10	D	M	F	-F-G
Type	RF relay							
Enclosure	SS Flux-proof							
Number of poles	1 :1 pole							
Coil voltage	10: 12VDC							
Coil power	D :1,400mW							
Contact arrangement	M :1 form A							
Terminal	Blank: Without faston terminal, F: With faston terminal							
Insulation class and Special request	F: Class F, Blank: Class A, -G: 1.5mm GAP							

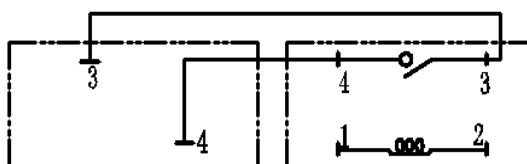
Reference data



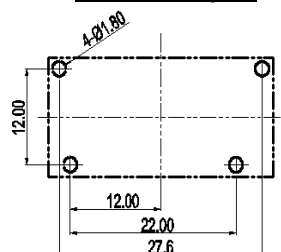
Outline dimension



Terminal assignment



PC board layout



Tolerance

<1mm	±0.2mm
1~5mm	±0.3mm
>5mm	±0.4mm