

# PCB 继电器

# HJR-7FF

- Extremely low cost
- SPST-NO&SPDT configurations
- Standard PC layout
- Sealed type available
- Conform to RoHS,ELV directive

21.2×16.0×17.0



## ORDERING CODE 订购代码

HJR-7FF— S — Z / 12VDC  
 1          2          3          4

- |                      |                                |
|----------------------|--------------------------------|
| 1. Relay Model 继电器型号 | 4. Coil Nominal Voltage 线圈额定电压 |
| 2. Sealed 密封         | 3,5,6,9,12,24,48VDC            |
| 3. 触点转换形式            |                                |
| H: Form A            |                                |
| D: Form B            |                                |
| Z: Form C            |                                |

## COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	24	48	0.36W
Coil Resistance 线圈阻值( $\Omega \pm 10\%$ )	25	70	100	225	400	1600	6400	
Rated Current 额定电流(mA)	120	72	60	40	30	15	7.5	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage 最小释放电压(VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	0.45W
Coil Resistance 线圈阻值( $\Omega \pm 10\%$ )	20	56	80	180	320	1280	5120	
Rated Current 额定电流(mA)	150	90	75	50	37.5	18.7	9	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max Applicable Voltage 最大过载电压	70°C时额定电压的130%，23°C时额定电压的170%							

## CONTACT DATA 触点参数

Contact Form 触点形式	1H/1Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS $\Phi$ =1)
Contact Ratings 触点负载	1H:10A 240VAC 12A 120VAC 1Z:7A 240VAC 10A 120VAC
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage 最大转换电压	240VAC
Max Switching Current 最大转换电流	12A
Max Switching Power 最大转换功率	2400VA/240W
Contact Resistance 接触电阻	100m $\Omega$ Max at 6VDC 1A
Life Expectancy 寿命	Electrical 电气寿命: 100,000 Operations(at30Operations/minute)
	Mechanical 机械寿命: 10,000,000 Operations(at300Operations/minute)

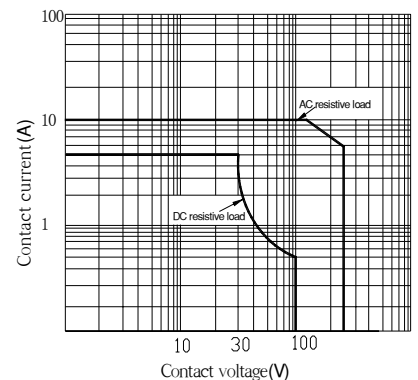
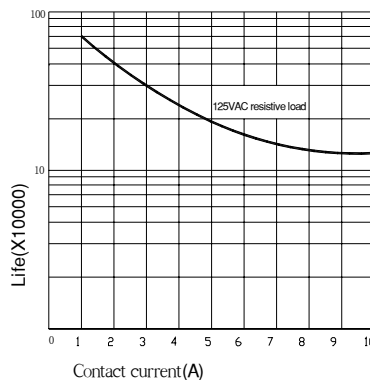
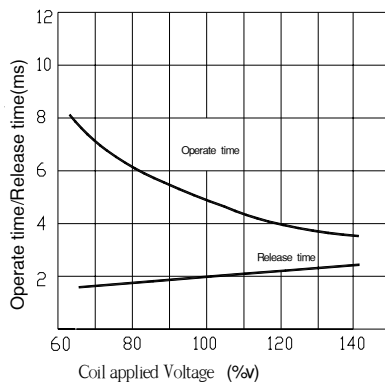
### ■ CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	750VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	1500VAC(for one minute)
Operate Time吸合时间	10ms
Release Time释放时间	5ms
Temperature Range环境温度	-40°C to +70°C
Shock Resistance冲击	Operating Extremes动作极限: 10G
	Damage Limits破坏极限: 100G
Vibration Resistance振动	10-55Hz, 1.5mm
Max. switching frequency最大转换频率	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity湿度	40-85%
Weight重量	Approx 10g

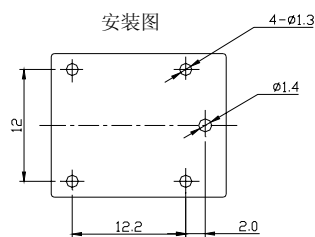
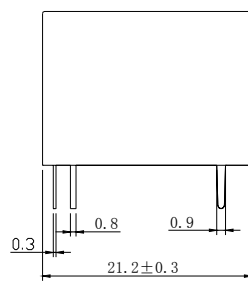
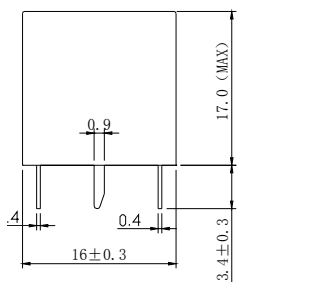
### ■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)
HJR-7FF	3 to 24VDC	UL/cUL	H: 10A 240VAC 12A 120VAC Z: 10A 120VAC 7A 240VAC

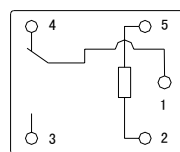
### ■ ENGINEERING DATA 设计参数



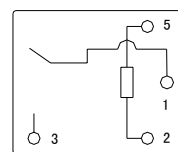
### ■ OVERALL AND MOUNTING DIMENSIONS 安装图



接线图



Form C



Form A

### 声明:

本产品规格书仅供客户使用时参考, 如有更改, 恕不另行通知。