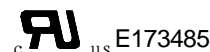


**PCB**
**HJR-7FF**

- 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**

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

- |                |                         |
|----------------|-------------------------|
| 1. Relay Model | 4. Coil Nominal Voltage |
| 2. Sealed      | 3,5,6,9,12,24,48VDC     |
| 3.             |                         |
| H: Form A      |                         |
| D: Form B      |                         |
| Z: Form C      |                         |

**COIL DATA** (at 20°C)

	3	5	6	9	12	24	48	
Nominal Voltage (VDC)	3	5	6	9	12	24	48	0.36W
Coil Resistance ( $\Omega \pm 10\%$ )	25	70	100	225	400	1600	6400	
Rated Current (mA)	120	72	60	40	30	15	7.5	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	4.8	0.45W
Coil Resistance ( $\Omega \pm 10\%$ )	20	56	80	180	320	1280	5120	
Rated Current (mA)	150	90	75	50	37.5	18.7	9	
Max Operate Voltage (VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage (VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max Applicable Voltage	70		130%, 23			170%		

**CONTACT DATA**

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi$ =1)
Contact Ratings	1H:10A 240VAC 12A 120VAC 1Z:7A 240VAC 10A 120VAC
Minimum load	100mA 5VDC
Max Switching Voltage	240VAC
Max Switching Current	12A
Max Switching Power	2400VA/240W
Contact Resistance	100m $\Omega$ Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

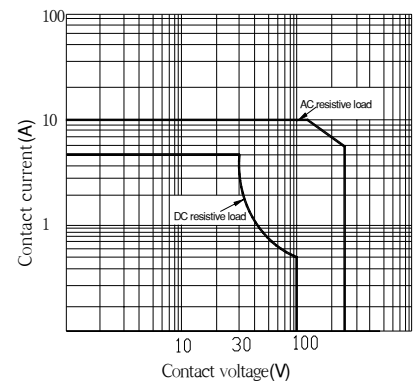
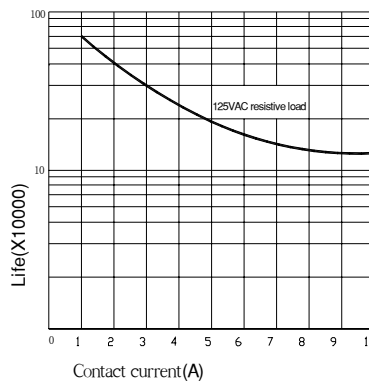
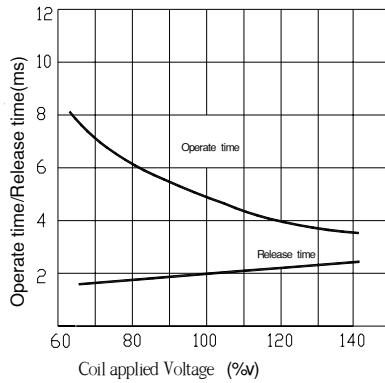
## CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	750VAC(for one minute)
Between Contacts and coil	1500VAC(for one minute)
Operate Time	
Release Time	
Temperature Range	°C to +70°C
Shock Resistance	Operating Extremes : 10G
	Damage Limits : 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 10g

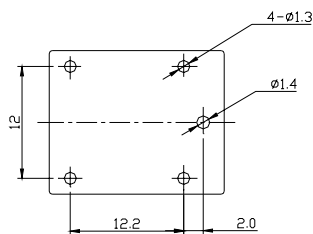
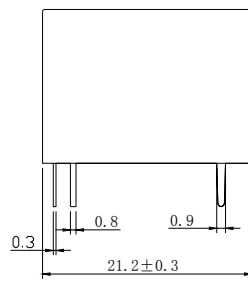
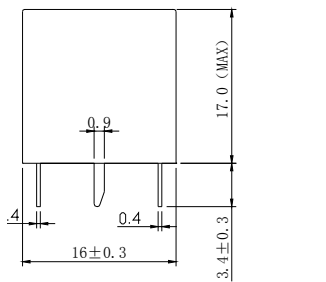
## APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
HJR-7FF	3 to 24VDC	UL/cUL	H: 10A 240VAC 12A 120VAC Z: 10A 120VAC 7A 240VAC

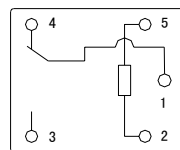
## ENGINEERING DATA



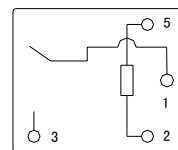
## OVERALL AND MOUNTING DIMENSIONS



接线图



Form C



Form A