PCB RELAY JQC-T78

- 20A switching capability
- Small size auto relay
- Size 15.7mm×12.3mm×14mm (Length * width * height)

Disclaimer: This specification is for reference only.

ORDERING CODE

JQC -T78 - DC24V- A
1 2 3

1. Relay Model : JQC-T78 2. Coil Nominal Voltage 5VDC,6VDC , 9VDC,12VDC,24VDC , 48VDC	3. Contact Form: Z: Form C H: Form A D:FormB

COIL DATA (at 20 ℃)

Nominal Voltage (VDC)	5	6	9	12	24	
Coil Resistance (Ω±10%)	70	100	225	400	1600	0.36W
Rated Current (mA)	71.4	60	40	30	15	
Max Operate Voltage (VDC)	3.75	4.5	6.75	9	18	
Min Release Voltage (VDC)	0.40	0.48	0.72	0.96	1.92	
Coil Resistance (Ω±10%)	42	60	135	240	960	0.6W
Rated Current (mA)	119	100	66.7	50	25	
Max Operate Voltage (VDC)	3.25	3.9	5.85	7.8	15.6	
Min Release Voltage (VDC)	0.40	0.48	0.72	0.96	1.92	
Coil Resistance (Ω±10%)	31	45	100	180	720	0.8W
Rated Current (mA)	161.3	133.3	88.9	66.7	33.3	
Max Operate Voltage (VDC)	3.25	3.9	5.85	7.8	15.6	
Min Release Voltage (VDC)	0.40	0.48	0.72	0.96	1.92	
Max ApplicableVoltage	130% of the rated voltage at 70℃ and 170% at 23℃					

CONTACT DATA

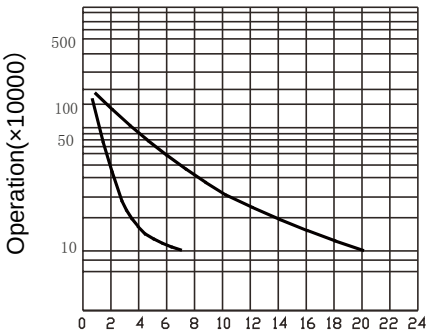
Contact Form	1H/1Z/1B
Contact Material	Silver Alloy
Load	Resistive load(COSΦ=1)
Contact Ratings	20A 125VAC 20A 14VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/14VDC
Max Switching Current	25A
Max Switching Power	2500VA/280W
Contact Resistance	100mΩMax at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical : 10,000,000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

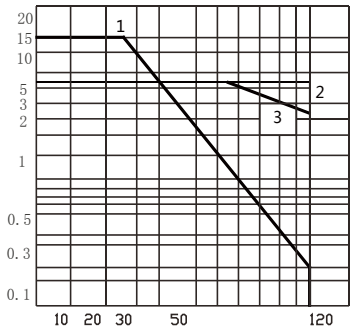
Insulation Resistance	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	500VAC(for one minute)
Operate Time	10ms
Release Time	5ms
Temperature Range	-40℃ to+85℃
Shock Resistance	Operating Extremes : 10G
	Damage Limits : 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity	35-85%
Weight	Approx 6g

ENGINEERING DATA

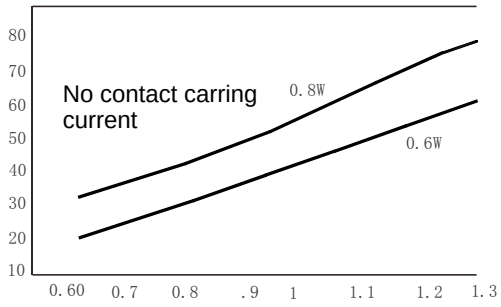
service life



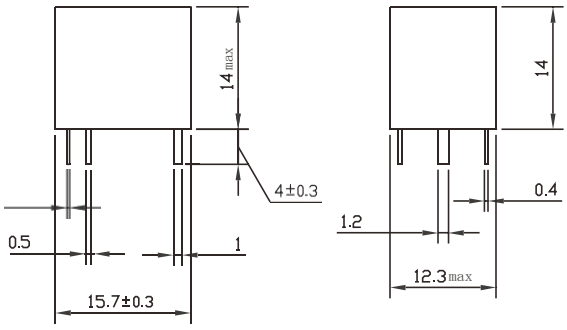
current



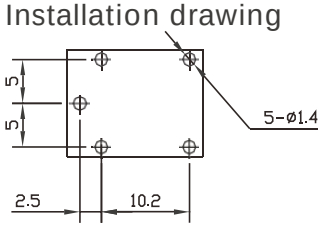
1.DC resistive
2.AC resistive
3.AC resistive



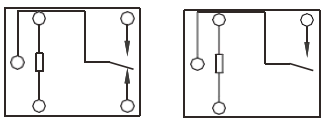
OVERALL AND MOUNTING DIMENSIONS



Installation drawing



The wiring diagram



Form C Form A

Note: 1) There is no dimension tolerance in the outer dimension of the product: when the outer dimension is less than or equal to 1mm, the tolerance is ±0.2mm; When the external dimension is 1~5mm, the tolerance is ±0.3mm; When the external dimension is > 5mm, the tolerance is ±0.4mm.

2) The unspecified dimension tolerance in the mounting hole size is ±0.1mm.