JQC-16F AUTOMOTIVE RELAY

Twin version

Single version

Features

- Silent version also available
- 20A switching capability
- Extremely small relay
- Slim 1C type & twin type available
- Two separate systems for twin type

Typical Applications

Door locking systems,Immobilizers,Seat adjustment,Seatbelt prevention,
Sunproof,Window motors control,Power door & windows

CONTACT DATA

Contact Arrangement	1C, 2C
Initial Contact Resistance	Max. 100mΩ (at 1A 6VDC)
Contact Material	$AgSnO_2$, AgNi
Contact Rating (Res. Load)	20A 14VDC
Max. switching voltage	40VDC
Max. switching current	25A
Mechanical Life	1×10^7 OPS
Electrical Life	2×10^5 OPS

COIL

Coil power	0.56W

COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω	Max. allowable Voltage (VDC)	Nominal operating Current mA
12	7.2	1.0	255 ± 10%	15	47

CHARACTERISTICS

Initial Insulation Resistance		100MΩ, 500 VDC
Dielectric Strength	Between coil and contacts	500VAC
	Between open contacts	500VAC
Operate time (at nomi. Vot.)		Typ. 3ms
Release time (at nomi. Vot.)		Typ. 1.3ms
Ambient temperature		-40˚C to +85˚C
Shock Resistance	Functional	300 m/s^2
	Destructive	450m/s^2
Vibration Resistance		10 to 55Hz, 1.5mm 55 to 200Hz, 100m/s^2
Termination		PCB
Unit weight		Approx. 5g,Twin10g
Construction		Sealed IP67

ORDERING INFORMATION

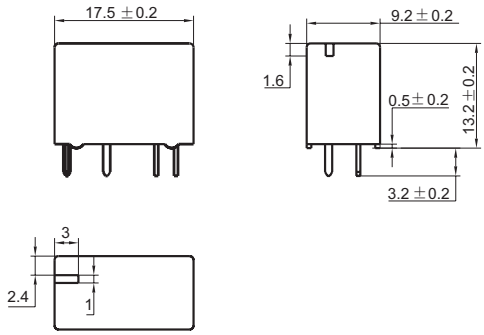
	JQC-16F /	012	2Z	S	T	XXX
Type						
Coil voltage	12VDC					
Contact arrangement	**1Z**: 1 Form C(Slim 1C type) **2Z**: 2 x 1C(Twin type)					
Structure	**S**: Sealed IP67					
Contact Material	**T**: $AgSnO_2$ **Nil**: AgNi					

Customer special request code:

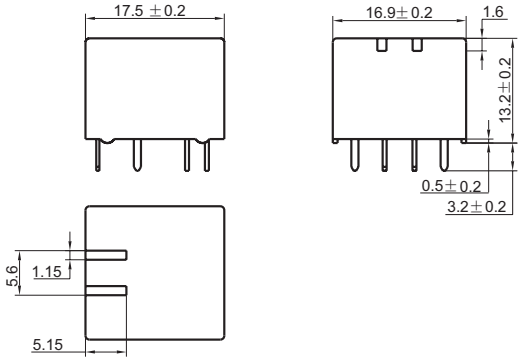
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

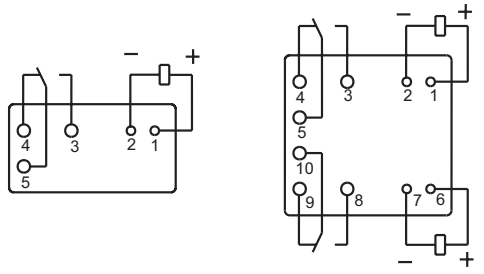
1C (Slim 1C type)



2C (Twin type)

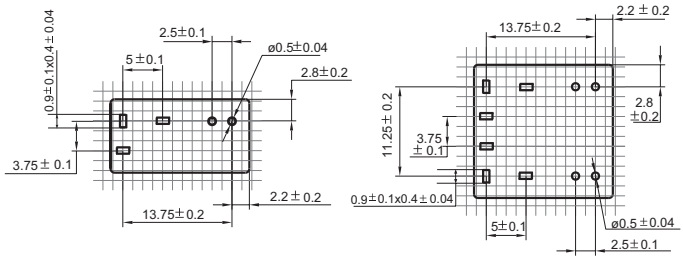


Wiring Diagram



1C 2C

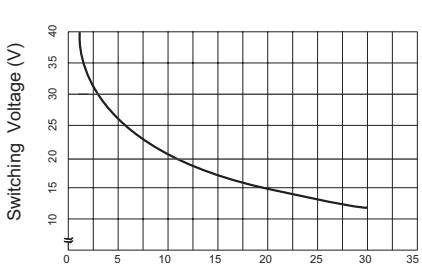
PCB layout



1C 2C

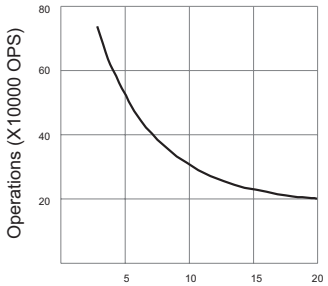
CHARACTERISTICS CURVE

Maximum Swit Ching Power



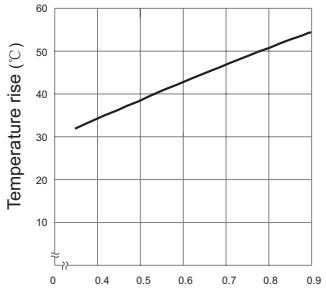
Switching Voltage (V)

Life Curve



Contact Current (A)

Coil Temperature Rise



Coil Power (W)