

RFM SERIES

ORDER CODE
RFM-1C-P-12-D

D: DIODE
 R: RESISTOR

180 Ω (DC6V)
 680 Ω (DC12V)
 2700 Ω (DC24V)

COIL VOLTAGE

6: DC6V
 12: DC12V
 24: DC24V
 48: DC48V

QUICK CONNECT TERMINALS
 P: P.C.B TERMINALS

1C: 1c
 1A: 1a

TYPE



Main Features:

- Switching capacity up to 35A.
- Quick connect and PC board mounting are all available.
- 1 form A and 1 form C arrangement.
- Suitable for automation system and automobile auxiliary etc...

COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)($\pm 10\%$)	POWER CONSUMPTION (W)	NOMINAL CURRENT (mA)($\pm 10\%$)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
6V	32 Ω	1.2W	187.5mA	70% MAX.	10% MIN.	130%
12V	123 Ω		97.5mA			
24V	483 Ω		49.6mA			
48V	1920 Ω		25.0mA			

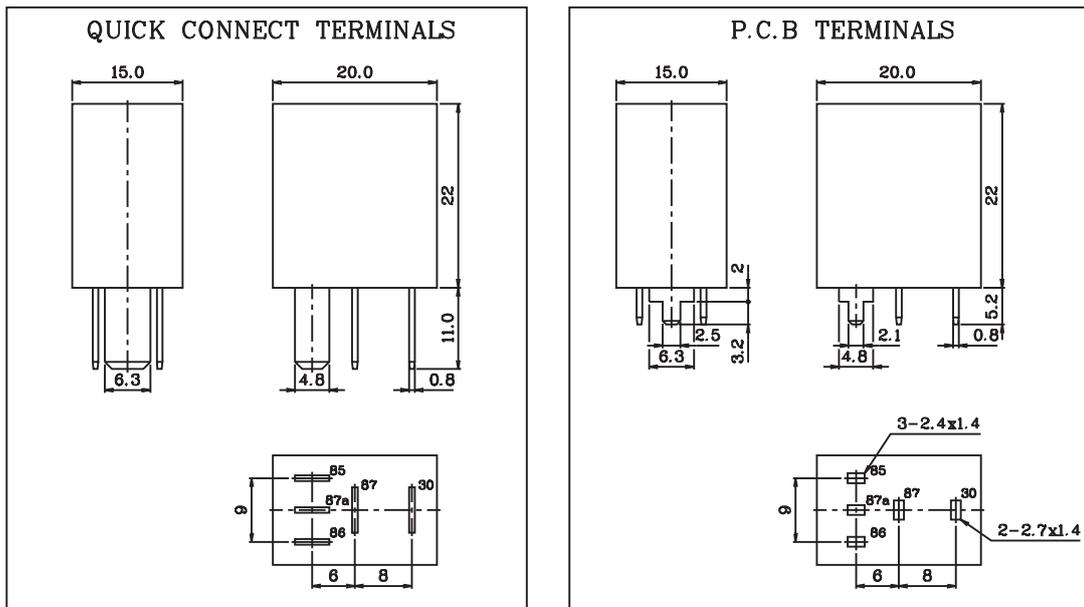
PERFORMANCE (at initial value)

Item	Type	1A	1C
Contact Resistance		50m Ω Max. (initial value)	
Operate Time		10msec Max.	
Release Time		7msec Max.	
Dielectric Strength between coil & contact between contact		AC1000V (1min) AC500V (1min)	
Insulation Resistance		100M Ω Min.(DC500V)	
Operating Ambient Temperature		-40°C ~ +85°C	
Humidity		35 to 85% RH	
Vibration Resistance		10G (10~55Hz)(Dual amplitude: 2mm)	
Shock Resistance		10G	
Life Expectancy Mechanically Electrically		10,000,000 ops. Min.(1800 ops./h) 100,000 ops. Min.(1200 ops./h)	
Weight		18.5g(about)	

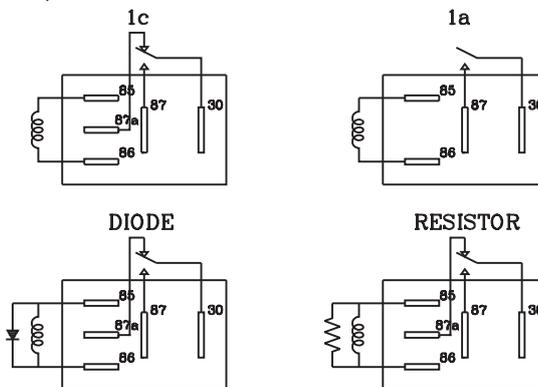
CONTACT RATING

Item \ Type	1C	1A
Rated Carrying Current	NO: DC14V 35A NC: DC14V 20A	DC14V 35A
Max. Allowable Current	35A	
Max. Allowable Voltage	DC75V	
Max. Current(continual)	35A	
Contact Material	Ag alloy	

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)



REFERENCE DATA

