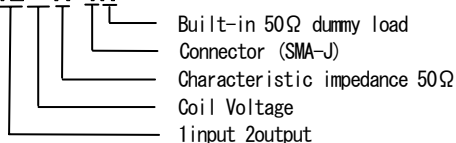


Coaxial Type

(1 Input 2 Output Reed Relay)

■ Part number ・ Feature

● RFD-12**A-1R



- 1-input/2-output coaxial relay with built-in 50Ω load

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1 input / 2 output (make)
	Contact Rating	3W
	Max. Switching Voltage	DC 30V
	Max. Switching Current	0.1 A
	Max. Carry Current	0.5 A
	Contact Resistance	300 mΩ MAX (Initial)
Electrical Specifications	Breakdown Voltage	Open Contacts DC 150V (1 min) Contact to coil DC 150V (1min) Contact to shield DC 150V (1min) Shield to coil DC 150V (1min)
	Insulation Resistance	Between all isolated pins $1 \times 10^8 \Omega$ MIN (DC 100V)
	Thermal Electromotive Force	40 μV TYP.
	Operate Time	(1 Pulse) 1.5 mS MAX. (at Nominal Voltage)
	Release Time	(1 Pulse) 1.5 mS MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	10G (0 to 2KHz 1.5mm)
	Shock	30G (11mS 1/2 Sin Wave)
Environment	Operating Temperature	-10°C to +60°C
Life Expectancy	Mechanical	5×10^7 MIN. Operations
	Electrical	DC 10mV-10 μmA 5×10^7 MIN. Operations (R.L.)

■ Coil Specifications

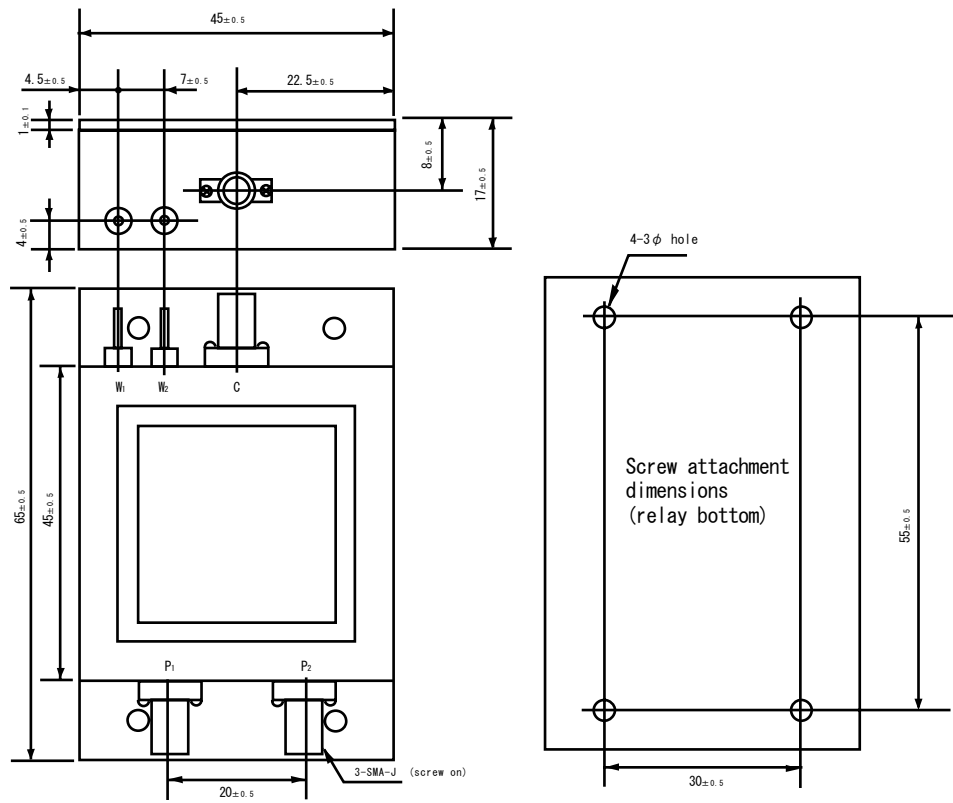
Part Number	Nominal Voltage DC. $\pm 10\%$ (V)	Coil Resistance $\pm 10\%$ (Ω) at 20°C	Nominal Current (mA)	Must Operate Voltage MAX. (V) at 20°C
RFD-1224A-1R	24	300	80.0	16.8
RFW-1212A-1R	12	120	100.0	8.5
RFW-1205A-1R	5	25	200.0	3.8

■ High Frequency Characteristics

Item	Frequency Band				
	100MHz	200MHz	300MHz	400MHz	500MHz
Return Loss	28dB MIN.	26dB MIN.	25dB MIN.	23dB MIN.	20dB MIN.
Isolation	70dB MIN.	60dB MIN.	55dB MIN.	50dB MIN.	45dB MIN.
Insertion Loss	0.3dB MAX.	0.4dB MAX.	0.6dB MAX.	0.6dB MAX.	0.7dB MAX.

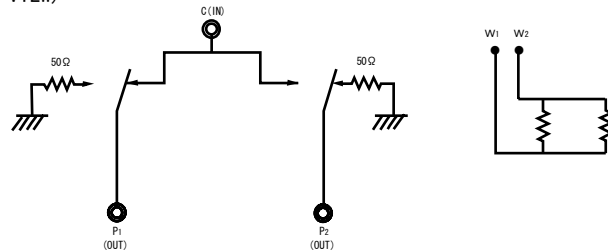
■ Dimensions /Terminal Identification (Unit:mm)

Dimensions / Terminal Identification



weight about 90gr.

(TOP VIEW)



W₁ • W₂ : Coil driving terminal
 (W₁-W₂ : C-P₁&2 contacts ON
 at applying Nominal Voltage)
 C : Signal input terminal
 P₁ • P₂ : Signal output terminal