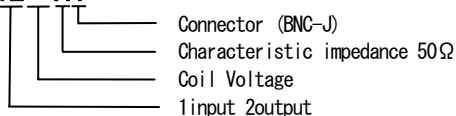


Coaxial Mercury Type

(1 Input 2 Output Mercury Relay)

■ Part number・Feature

● RFW-12**A4



- 1-input/2-output coaxial wetted contact relay for DC-1GHz

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1 input / 2 output (make mercury)
	Contact Rating	10W
	Max. Switching Voltage	DC. 100V
	Max. Switching Current	0.5 A
	Max. Carry Current	1.0 A
	Contact Resistance	150 mΩ MAX (Initial)
Electrical Specifications	Breakdown Voltage	Open Contacts DC. 150V (1 min) Contact to Coil DC. 150V (1 min) Contact to Shield DC. 150V (1 min) Coil to Shield DC. 150V (1 min)
	Insulation Resistance	Between all isolated pins $5 \times 10^9 \Omega$ MIN (DC. 100V)
	Thermal Electromotive Force	100 μ V TYP.
	Operate Time	(1 Pulse) 1.7 mS MAX. (at Nominal Voltage)
	Release Time	(1 Pulse) 1.5 mS MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	20G (0 to 55Hz 1.5mm)
	Shock	30G (11ms 1/2 Sin Wave)
Environment	Operating Temperature	-10°C to +60°C
Life Expectancy	Mechanical	1X10 ⁹ MIN. Operations
	Electrical	DC. 30V-30mA 5X10 ⁸ MIN. Operations (R.L.) DC. 100V-0.1A 1X10 ⁶ 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
RFW-1212A4	12	300/contact	40.0/contact	9.0
RFW-1205A4	5	80/contact	62.5/contact	3.8

■ High Frequency Characteristics

Frequency Band	DC - 1GHz
Input output Impedance	50 Ω
V. S. W. R	1.2 MAX.
Insertion Loss	0.5dB MAX.
Isolation	60db MIN. (DC. to 1GHz)
	70db MIN. (DC. to 500MHz)

■ Dimensions /Terminal Identification (Unit:mm)

Dimensions / Terminal Identification

