



- Flat type micro reed relay with low of 9.5mm max. in height realizes high packing density of P.C. board.
- High-capacity type (50VA max.) with switching current of 1A, 1-pole contact forms 2.54mm terminal pitches.
- Capable of stable switching as minute a load as 100mVDC, 10μA.

## SPECIFICATIONS

### Contact

Arrangement	1A
Contact Resistance (By voltage drop 6V 1A)	Max.150mΩ
Rating Resistive load (cosφ=1)	0.5A 100VAC 1A 24VDC
Max. Switching current	1A
Max. Switching power	50VA 50W
Expected life(min.ope) Mechanical(at 120 cpm) Electrical (at 20 cpm)	1×10 <sup>7</sup> (no load) 1×10 <sup>6</sup> (at rated load) 1×10 <sup>7</sup> (6V 10mA)

### Characteristics

Operate Time		Max.1msec.
Release Time		Max.0.5msec.
Operating humidity		45 to 80% RH
Initial breakdown voltage Between coil & contact Between open contacts		3000VAC (50/60Hz)for 1 min. 200VAC (50/60Hz)for 1 min.
Insulation Resistance		Min. 100MΩ(500 VDC)
Ambient temperature		-30℃~+70℃
Shock Resistance	Functional	Min. 10G
	Destruction	Min. 50G
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 1.5mm
	Destruction	10 to 55 Hz at double Amplitude of 1.5mm
Unit weight		Approx.4.5g

### Coil

Nominal operating power	0.1~0.28W
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## TYPICAL APPLICATION

1. Communications domestic appliances.
2. Security equipment.
3. Office automation machines, etc.

## ORDERING INFORMATION

**WJ101 - ① ② A ③ 12VDC ④ 250Ω ⑤**

① Type	② Number of pole	③ Contact form	④ Coil voltage(DC)	⑤ Coil sensitivity
WJ101	1 · 1pole	A · 1 form A	5,6,9 12, 24, 48V	250, 500, 700, 1050

# COIL DATA (at 20°C)

Nominal Voltage (VDC)	Nominal current (mA)	Coil Resistance ( $\Omega$ ) $\pm 10\%$	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
5	20	20	abt 0.1 to 0.28	70%Max.	10%Min.	160% of nominal Voltage
6	12	100				
9	12.9	225				
12	11.4	400				

## DIMENSIONS

Unit: mm

