

# POWER PCB RELAY

## WJ124-RELAYS



16A switching capacity under smallest size, suitable for high density P.C. Board mounting technique  
 10mm creepage distance. withstand 10,000V surge  
 Dielectric strength of 5000VAC  
 High sensitive type for low consumption is available  
 Complete sealed type is available if required

### SPECIFICATIONS

#### Contact

#### Characteristics

Arrangement	1A , 1B , 1C	Operate Time	7 msec.
Contact Material	Silver alloy	Release Time	3 msec.
Contact Resistance (By voltage drop 6V 1A)	50m $\Omega$	Operating humidity	35% to 85% RH
Rating Resistive load (cos $\phi$ =1)	16A 250VAC	Initial breakdown voltage Between coil & contact	5000VAC
		Between open contacts	1000VAC
		Between contacts sets	2500VAC
		Insulation Resistance	100M $\Omega$ 500VDC
		Ambient temperature	-40 $\text{Y}$ ж to 85 $\text{Y}$ ж / 105 $\text{Y}$ ж
Max. Switching current	16A	Shock Resistance	Functional 10G
Max. Switching power	4000VA		Destruction 100G
Max. Switching voltage	440VAC	Vibration Resistance	Functional 10~150Hz 10G / 5G
			Destruction 10~150Hz 10G / 5G
Expected life(min.ope)		Insulation withstand voltage	10,000V (1.2 $\text{Y}$ B 50us)
Mechanical(at 120 cpm)	1 $\text{Y}$ B10 <sup>7</sup> (72,000 OPS/HOUR)	Temp. Rise	55 $\text{Y}$ ж
Electrical (at 20 cpm)	1 $\text{Y}$ B10 <sup>5</sup> (360 OPS/HOUR)	Unit weight	13.6g

#### Coil

Nominal operating power	0.25w, 0.4W
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### TYPICAL APPLICATION

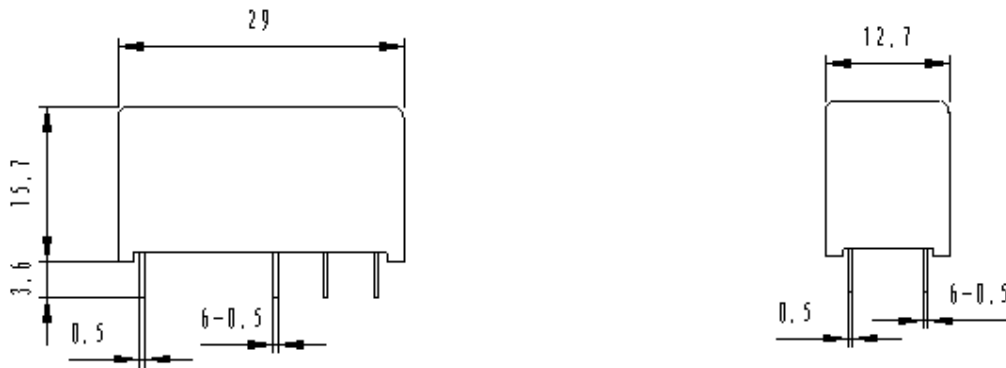
Cooking appliances, air controlling equipment, etc.

# COIL DATA (at 20°C)

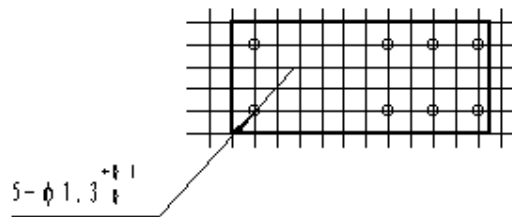
Nominal Voltage (VDC)	Nominal Current (mA)		Coil Resistance ( $\pm 10\%$ )		Pull-in Voltage (VDC)		Drop-out Voltage (VDC)
	Standard/ Inrush / Temp.	Sensitive	Standard/ Inrush / Temp.	Sensitive	Standard/ Inrush / Temp.	Sensitive	
5	80.00	50.00	62	100	3.50	3.75	0.5
6	66.70	41.70	90	144	4.20	4.50	0.6
12	33.30	20.80	360	576	8.40	9.00	1.2
24	16.70	10.40	1440	2304	16.80	18.00	2.4
48	8.30	5.40	5760	9216	33.60	36.00	4.8
60	8.00	4.70	7500	12857	42.00	45.00	6.0

## DIMENSIONS

Unit: mm



## PCB LAYOUT ( T=2.52 $\pm$ 0.02mm)



## WIRING DIAGRAM

