ISSU:2000.7.12

Relays for advanced technology	MINIATURE PCB TYPE POWER RELAY	WJ114-RELAYS

- **Smaller size at 16A switching capacity relay for high density P.C. board mounting technique**
- **8mm creepage distance.Surge resistivieness of 10000V and dielectric strength of 5000VAC is available**
- **High sensitive type for low consumption is available**
- **Complete sealed type is available if equired**

SPECIFICATIONS

Contact

Arrangement	1A, 1C
Contact Material	Silver alloy
Contact Resistance (By voltage drop 6V 1A)	Max.100m•
Rating Resistive load (cos•=1) Inductive load (cos•=0.75•0.8)	 20A 125VAC 16A 240VAC 10A 30VDC 5A 120VAC 5A 24VDC
Max. Switching current	16A
Max. Switching power	2400VAC 600W
Max. Switching voltage	250VAC 110VDC
Expected life(min.ope) Mechanical(at 120 cpm) Electrical (at 20 cpm)	 1×10^7 1×10^5

Characteristics

Item \ Type		WJ114 (0.72W)	WJ114 (0.54W)
Operate Time		Max.15msec.	Max.20msec.
Release Time		Max.8msec.	
Operating humidity		45 to 85% RH	
Initial breakdown voltage Between coil & contact Between open contacts		 5000VAC (50/60Hz)for 1 min. 1000VAC (50/60Hz)for 1 min.	
Insulation Resistance		Min. 1000M• (500 VDC)	
Ambient temperature		-30••+55•	-30••+80•
Shock Resistance	Functional	Min.10G	
	Destruction	Min.100G	
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 1.5mm	
	Destruction	10 to 55 Hz at double Amplitude of 1.5mm	
Insulation withstand voltage		5000V 1.2×50•s(between coil and contacts)	
Temp. Rise		Max.45 Deg	Max.45 Deg
Unit weight		Approx.13g	

Coil

Nominal operating power	0.54W ~0.72W

TYPICAL APPLICATION

Cooking appliances,air controlling equipment,etc.

ORDERING INFORMATION

WJ114 — **1 C** — **12VDC** — **720•**

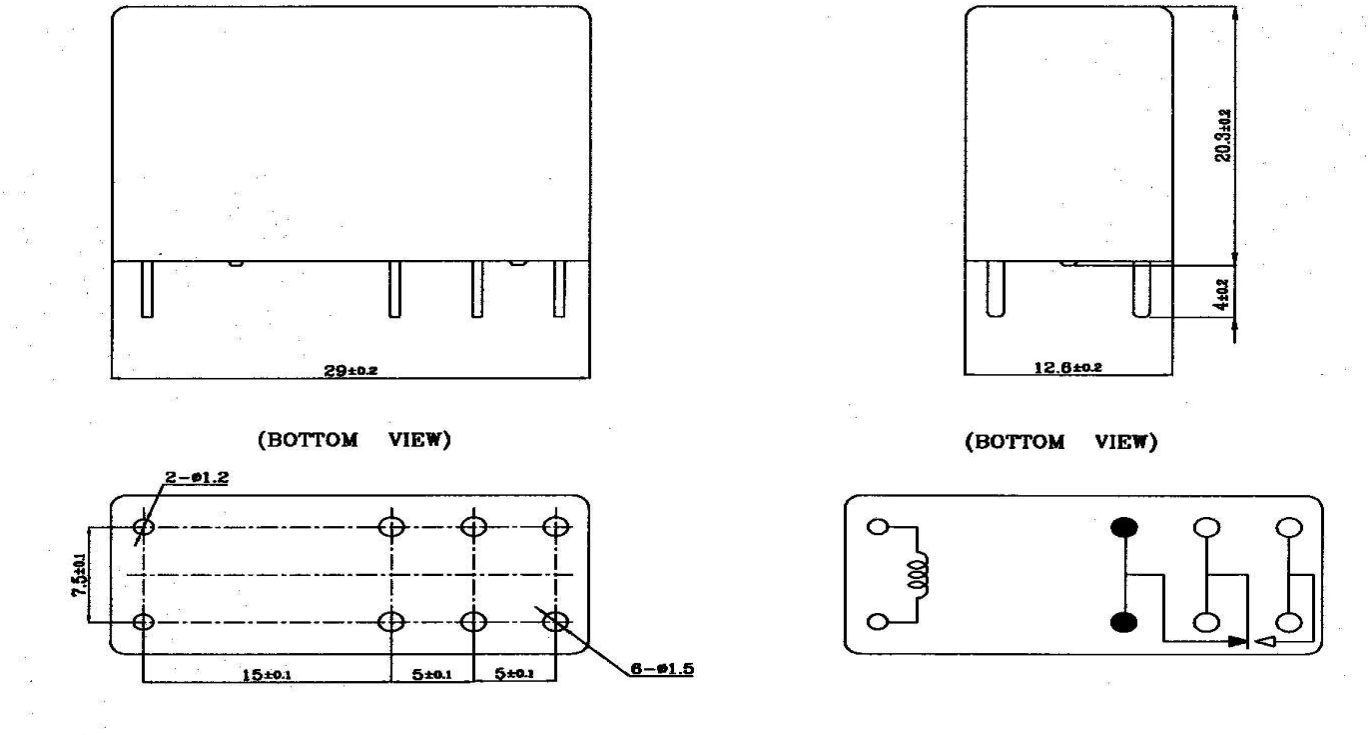
Type	Number of pole	Contact form	Coil voltage(DC)	Coil sensitivity
WJ114	1:1pole	A: 1 form A C: 1 form C	3, 5, 6, 9, 12, 18, 24, 48V	17,50,,68,155, 270 600,1100,4400 : 0.54W Nil : 0.72W

COIL SPECIFICATION (at 20•)

Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (•)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
3	240	12.5	abt0.72	80%Max.	5%Min.	130% of nominal voltage
5	138.9	36				
6	120	50				
9	78.3	115				
12	60	200				
18	11	450				
24	29.3	820				
48	14.5	3300				
3	176.5	17	abt0.54	80%Max.	5%Min.	130% nominal voltage
5	106.4	50				
6	88	68				
9	58	155				
12	44.4	270				
18	11	600				
24	21.8	1100				
48	10.9	4400				

DIMENSIONS

Unit : mm



Note: The relative changes for the specification will not be advised in the future.