 <h1 style="margin: 0;">WANJIA</h1> <p style="margin: 0;">Relays for advanced technology</p>	ULTRA-MINIATURE	WJ110-RELAYS
	PC BOARD TYPE POWER RELAY	



- Ultra-miniature size with universal footprint
- High contact capacity: 15A
- Sealed type available
- Low coil power consumption
- UL/C-UL recognized
- TV-5 rated types available
- TUV recognized

### SPECIFICATIONS

#### Contact

Arrangement	1A, 1B, 1C
Contact Material	Silver alloy
Contact Resistance (By voltage 6V 1A)	Max.100m•
Rating	
Nominal switching capacity	15A 120VAC
Resistive load (cos•=1)	10A 240VAC 15A 24VDC
Rating	
Resistive load (cos•=1)	15A 120VAC 10A 240VAC 10A 24VDC 7A 250VAC
Inductive load (cos•=0.75•0.8)	4A 120VAC 4A 24VDC
Max. Switching voltage	240VAC 110VDC
Max. Switching current	15A
Max. Switching power	1400VA 300W
Expected life(min.ope)	
Mechanical(at 180 cpm)	1×10 <sup>7</sup>
Electrical (at 20 cpm)	1×10 <sup>5</sup>

#### Characterstics

Operate Time	Max.15msec.
Release Time	Max.5msec.
Operating humidity	45 to 85% RH
Intial breakdown voltage	
Between coil & contact	1500VAC (50/60Hz)for 1 min.
Between open contact	750VAC (50/60Hz)for 1 min.
Insulation Resistance	Min. 100M• (500 VDC)
Ambient temperature	-40••+85•
Temperature rise(Max)	35deg
Shock	Functional
Resistance	Destruction
Vibration	Functional
Resistance	Destruction
Unit weight	Approx.12g

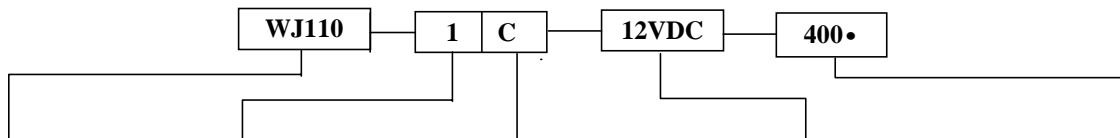
#### Coil

Nominal operating power	0.36W to 0.45W
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### TYPICAL APPLICATION

- |                        |                    |                                |
|------------------------|--------------------|--------------------------------|
| 1.Domestic appliances. | 3.Audio equipment. | 5.Remote control TV receivers. |
| 2.Office machines      | 4.Coffe-pots.      | 6.Car control unit,etc.        |

### ORDERING INFORMATION



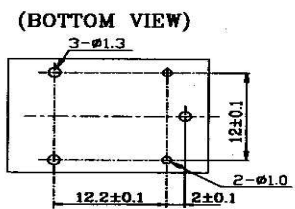
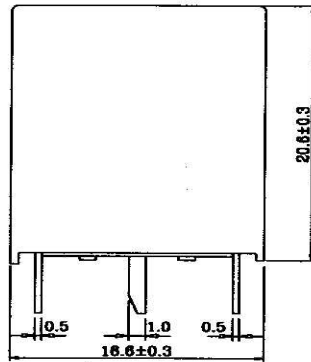
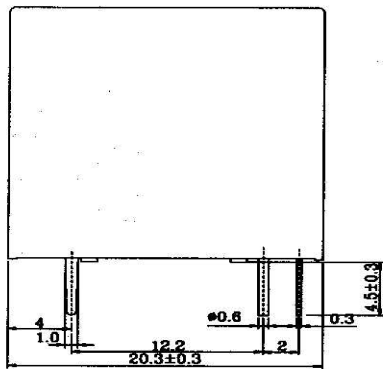
Type	Number of pole	Contact form	Coil voltage(DC)	Coil sensitivity
WJ110	1:1pole	A: 1 form A B: 1 form B C: 1 form C	3, 5, 6, 9, 12, 24 48V	25,69,100,225,400, 1600, 6400 : 0.36W Nil : 0.45W

**COIL DATA (at 20•)**

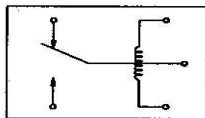
Nominal Voltage (VDC)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Coil Resistance (•)±10%	Nominal operating Power (W)	Coil Resistance (•)±10%	Nominal operating Power (W)	Max.Allowable Voltage
3	2,25	0,15	20	0,45	25	0,36	130% of nominal voltage
5	3,75	0,25	55		69		
6	4,5	0,3	80		100		
9	6,75	0,45	180		225		
12	9	0,6	320		400		
24	18	1,2	1150		1600		
48	36	2,4	5120		6400		

**DIMENSIONS**

Unit: mm



(BOTTOM VIEW)



**TV-5 CONTACT RATING**

Rating	AC 120V	AC 240V 5A (Incandescent Lamp 5A) (Rush Current 80A)
Max.switching Power	600VA	300W
Max.switching Voltage	204VAC	110VDC
Max.switching Current	5A	

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