WANJIA Relays for advanced technology	ULTRA-MINIATURE PC BOARD TYPE POWER RELAY	WJ206-RELAYS

- **Miniature High Power are designed for P.C.Board.**
- **Automobile Relays with high switching power .**
- **WJ206 are capable of switching lamp 150W or 12VDC 40A.(resistive load)**
- **Low cost and high performance.**
- **Dust cover available.**
- **Sealed type is available.**

SPECIFICATIONS

Contact

Arrangement	1 Form A;1 Form C
Contact Material	Silver alloy
Contact Resistive (By voltage drop 6V 1A)	Max.100m•
Rating Resistive load (cos•=1)	 1 Form A: 40A 14VDC 1 Form C: 30A 14VDC
Max. Switching current	40A
Max. Switching Voltage	14VDC
Max. Switching Power	560W
Expected life(min.ope) Mechanical(at 180 cpm) Electrical (at 20 cpm)	 1×10^6 1×10^5

Characteristics

Operate Time		Max.10msec.
Release Time		Max.5msec.
Operating humidity		45 to 85% RH
Initial breakdown voltage Between coil & contact Between open contact		 750VAC (50/60Hz)for 1 min. 750VAC (50/60Hz)for 1 min.
Insulation Resistance		Min.100M• (500 VDC)
Ambient temperature		-40••+85•
Temperature rise(Max.)		
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
Unit weight		(open type)Approx.23g (sealed type)Approx.23g

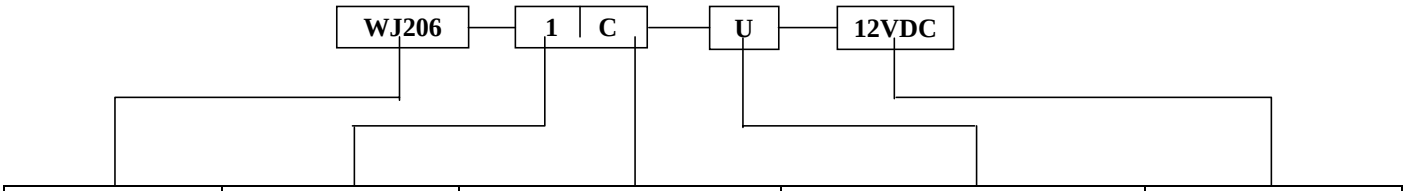
Coil

Nominal operating power	1.1W

TYPICAL APPLICATION

Car control switching box.

ORDERING INFORMATION



Type	Number of pole	Contact form	Footprint	Coil voltage(DC)
WJ206	1:1pole	A: 1 form A C: 1 form C	U : U.S.A(8mm) E : European(11mm)	6, 9, 12, 24, 48V

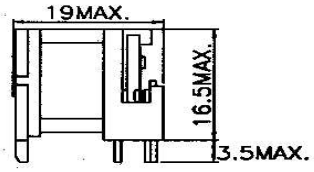
COIL DATA (at 20•)

Nominal Voltage (VDC)	Coil Resistance (•)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
6	22.5	1.6	70%Max.	10%Min.	150% of nominal voltage
9	50				
12	90				
24	380	1.5			
48	2300	1.0			

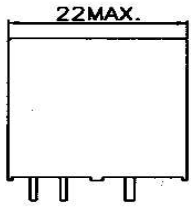
DIMENSIONS

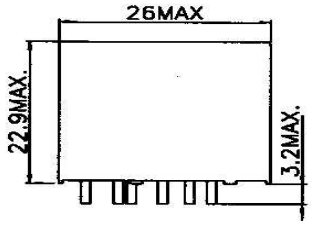
Unit: mm

OPEN TYPE

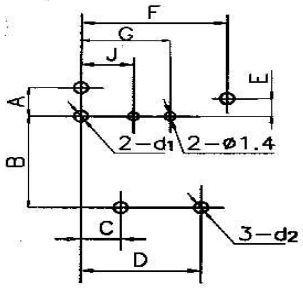


SEALED TYPE





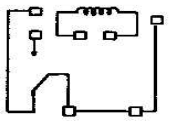
Mounting Layout(Bottom View)



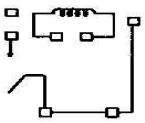
	European	U.S.A
A	3.3	3.76
B	12.1	11.89
C	2.2	4
D	13.2	12.2
E	2.2	2.28
F	15.9	14.8
G	10.1	9.09
J	5.9	5.53
d1	ø2.1	ø2.5
d2	ø2	

WIRING DIAGRAMS

1 FORM C (SPDT)



1 FORM A (SPST)



DONGGUAN WANJIA RELAY CO.,LTD
ADD: SIHUAN ROAD ,XITOU INDUSTRIAL ZONE,HOUJIE TOWN,
DONGGUAN CITY, GUANGDONG,CHINA.
POST CODE:523952
TEL: 86-769-5914550(1)
FAX: 86-769-5914553
E-mail: dgwjidg@pub.dgnet.dg.cn

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