

Miniature PCB Automotive Relay

YAW-Series



Features

- Dielectric strength:5000V.
- Small size for density PCB mounting.
- Quick connection terminal construction.

Contact Capacity

Model	YAW
Nominal Switching Capacity	15A 14VDC
Max.swithing current	15A
Max.swithing voltage	14VDC
Max.swithing power	210W

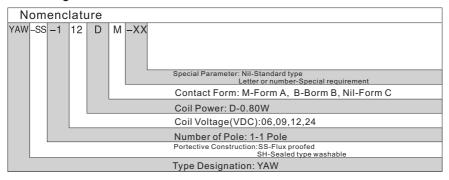
Characteristic Data

Contact material	Silver alloy					
Initial contact resistance	100mΩ Max.					
Operate time	8msec. Max.					
Release time	5msec. Max.					
Initial insulation resistance	100MΩ Min.(DC500V)					
	Between open contacts: AC500V,50/60HZ 1Min.					
Initial dielectric strength	Between coil and contacts: AC500V,50/60HZ 1Min.					
Vibration resistance	Functional	10-55 HZ at double amplitude of 1.5mm				
	Destructive	10-55 HZ at double amplitude of 1.5mm				
0	Functional	10G Min.				
Shock resistance	Destructive	100G Min.				
Endurance(operations)	Mechanical(at 10,800ps.h) 10,000,000 times					
	Electrical(at 10,800ps.h)	100,000 times				
Ambient temperature	-40°C ~ +125°C(no condensation)					
Unit weight	Approx.8.5g					

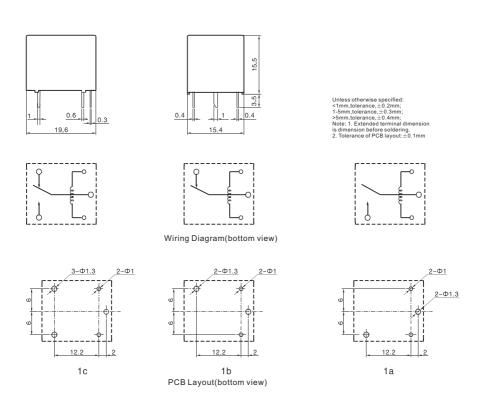
Coil Data(at 20℃)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ±10% (Ω)	Allowable voltage (Max.)	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
6	133.3	45				
9	88.8	101	110%of nominal	70%of nominal	5%of nominal	0.60W
12	66.7	180	voltage	voltage	voltage	
24	33.3	720				

Ordering Information



Outline Dimensions, Wiring Diagram, P.C Board Layout (Unit:mm)



Typical Applications

- Office equipment such as computer, fax machine, etc.
- Automat, automatic power window, car antenna, door lock, etc.
- Home appliances such as air conditioner, electric heater, etc.

Characteristic Curves

