



Part No.

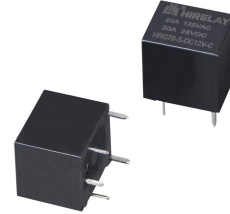
HRG78

Automotive Relay

ISO9001 ISO14001

Features:

- ⇒ Size :15.6×12.2×13.7(mm)
- ⇒ Max.20A switching capability
- ⇒ General purpose automotive relay
- ⇒ 1 Form C ,1 Form A,



Ordering Information

HRG78 - S - DC12V - C - X
 ① ② ③ ④ ⑤

- ① Part No.
- ② Enclosure :Plastic sealed
- ③ Coil Voltage :
DC 6 ,9,12, 24V
- ④ Contact form:
C : 1C/O A: 1N/O
- ⑤ Special requirement

Specification:

Contact		Characteristics	
Contact Form	1 Form A, 1 Form C	Insulation resistance	Min 100MΩ(500VDC)
Contact Material	Ag Alloy	Dielectric Strength	Between contact 550VAC 1min
Contact Resistance	50 mΩ(6VDC 1A)	Strength	Between coil &contact 550VAC 1min
Contact Rating(Resistance Load)		Operate time	≤ 10 ms
	20A 14VDC	Release time	≤ 10 ms
	20A 125VAC	Shock Endurance	100 m/s ²
Max Switching Voltage	20 VDC	Resistance Damage	1000 m/s ²
Max Switching Current	20A	Vibration Resistance	10-55 HZ 1.5mm DA
Max Switching Power		Humidity	35%-95% RH
Electrical Life	100,000 ops	Ambient Temperature	-40 °C to 85°C
Mechanical Life	5,000,000 ops	Weigt	Approx. 6.0g

Noted :the data are initial value

Coil Data:

at 23°C

600 mW

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage VDC	Min	Max Voltage VDC	Coil Resistance Ω +/- 10%
6	3.60	0.60		12.00	60
9	5.40	0.90		18.00	135
12	7.20	1.20		24.00	240
24	14.40	2.40		48.00	960

800mW

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage VDC	Min	Max Voltage VDC	Coil Resistance Ω +/- 10%
6	3.60	0.60		12.00	45
9	5.40	0.90		18.00	100
12	7.20	1.20		24.00	180
24	14.40	2.40		48.00	720

Dimension(mm)

Tolerance ± 0.2

