ARTICLE CODE

S2308 D—S—H / 12VDC

- Coil Nominal Voltage: 6,12,24VDC
- H: Form A; Z: Form C
- S: Sealed; Nil: Vented(Flux-tight)
- Coil Power: L: 0.57W; D:0.8W
- Relay Model

13.2X12X9.8

- 30A 13.5VDC switching rating
- 40A inrush at 13.5VDC
- Smallest power relay
- 1 Form A and 1 FormC arrangements in single and dual relay packages
- For Automotive Applications
- Conform to RoHS,ELV directive

■COIL RATING (at 20℃)

Nominal Voltage (VDC)	6	12	24	
Coil Resistance (Ω ±10%)	63	254	1010	0.57W
Rated Current (mA)	95	47.5	23.7	
Max Operate Voltage (VDC)	3.45	6.9	13.8	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Coil Resistance (Ω ±10%)	45	180	720	0.8W
Rated Current (mA)	133.3	66.7	33.3	
Max Operate Voltage (VDC)	3.45	6.9	13.8	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Max Applicable Voltage	70℃时额定电压的130%，23℃时额定电压的170%			

■CONTACT RATING

	Load Type		Rated Carrying Current NO	Rated Carrying Current NC	Frequency ops/min	Duty Cycle	Life Expectancy
Contact Ratings	Resistive Load		20	---	15	0.5	3×10^5
	Wiper reserve L=1.0mH	Make	25	25	15	0.5	3×10^5
		Break	5	5			
	Motor reserve blocked	L=0.77mH	20A Inrush		15	0.5	1×10^5
	Flasher Load		3×21W	---	80	0.5	2×10^6
	Lamp	Inrush	100	---	6	1/6	1×10^5
		Steady state	10	---			

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COSΦ=1) Cut 13.5VDC
Minimum load	0.5A 12VDC
Max Switching Current	40A
Max Switching Power	420W
Contact Resistance	100mΩMax at 6VDC 1A
Electrical Life Expectancy	See "Contact Data" Table
Mechanical	10,000,000 Operations(at300Operations/minute)

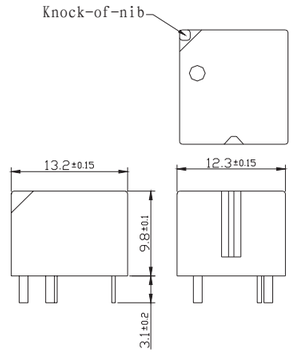
PERFORMANCE (at initial value)

Insulation Resistance	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	500VAC(for one minute)
Operate Time	4ms
Release Time	2ms
Temperature Range	-40℃to+105℃
Shock Resistance	6 msec up to 30g (No change in the switching state>10μsec)
Vibration Resistance	10-500Hz, 6g (No change in the switching state>10μsec)
Max. switching frequency	Mechanical:18,000operations/hr
Humidity	20-50%
Weight	Approx 4g

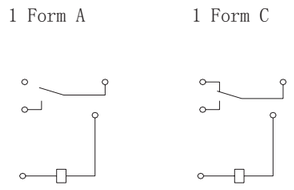
OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm

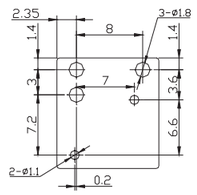
Outline Dimensions-Single Relay



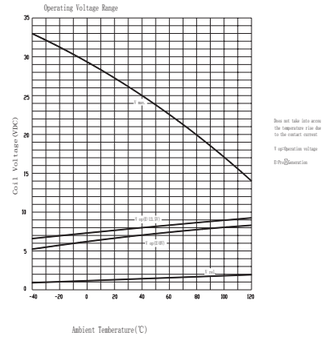
Wiring Diagrams-Single Relay(Bottom Views)



Suggested PC Board Layout-Single Relay(Bottom View)



CHARACTERISTIC CURVES



Automotive Relays