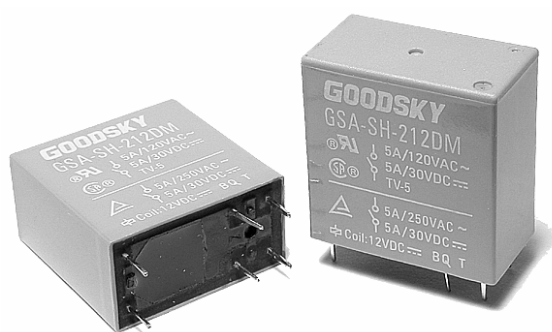




Contact Rating

Load Type	GSA (DM)
Rated Load (Resistive)	5 A 250VAC
	5 A 120VAC
	5 A 30 VDC
Contact capacity	TV-5 120VAC
Rated Carrying Current	5A
Max. Allowable Voltage	AC 250V
	DC 30V
Max. Allowable Current	5A
Max. Allowable Power Force	1,200VA
	150W
Contact Material	Ag Alloy
Contact Form	DPST

Application

Audio Equipment, Controlling Equipment, Home Appliance...etc.

Performance (at Initial Value)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time..... 20 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength :
 - Between Coil & Contact 3,000VAC at 50/60 Hz for one minute.
 - Between Contacts 1,000VAC at 50/60 Hz for one minute.
- Surge Strength 5,000V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
 - Electrical..... 20 Cycles per Minute.
 - Mechanical 300 Cycles per Minute.
- Temperature Range..... -25~55°C
- Humidity Range 45~85% RH.

Main Feature

1. Two Change-Over Contacts is supplied to user's selection.
2. Small size and slim type have small occupying area for high density P.C. Board mounting technique application.
3. Insulation distance of 6mm is designed. The employment of high insulation material is meeting to JIS Insulation Class E.
4. TV-5 at 120VAC of GSA Series is certified by UL.
5. Dielectric Strength of 3,000VAC Minimum and Surge Resistance of 5,000V Minimum can be reached.

- Coil Temperature Rise55°C Max.
- Vibration:
 - Endurance.....10 to 55 Hz dual amplitude width 1.5mm.
 - Error Operation10 to 55 Hz dual amplitude width 1.5mm.
- Shock :
 - Endurance1,000 m/S².
 - Error Operation100 m/S².
- Life Expectancy :
 - Mechanical10⁷ Operations at No Load condition.
 - Electrical10⁵ Operations at Rated Resistive Load.
 - 2.5x10⁴ Operations at TV Rated Load.
- Weight.....About 13.8 g.

Safety Standard & Its File Number

- ULE141060
- CSA.....LR76598
- TÜVR9854034

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GSA	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	130%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	11	4,400				

Ordering Information

GSA - SS - 2 12 D M

Contact Form: M: One Form A

Coil Type: D: Standard DC Coil

Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V

Number of Pole: 2: Two Poles

Type of Sealing: SS: Flow Solder Type

SH: Plastic Sealed Type

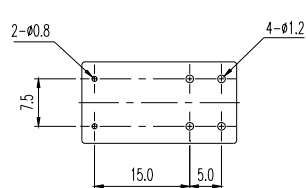
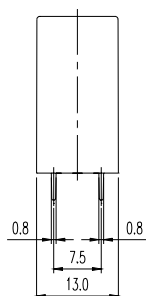
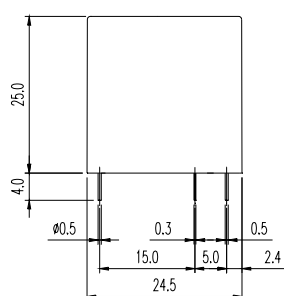
Type: GSA

Classification

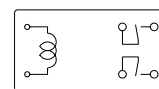
Model	GSA
Contact Form	2A
Flow Solder Type	GSA-SS-2□□DM
Plastic Sealed Type	GSA-SH-2□□DM

Dimension ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

GSA-SS/SH



BOTTOM VIEW



BOTTOM VIEW

Reference Data

