



Main Feature

1. Two Change-Over Contacts available.
2. 6mm insulation distance with Surge Strength 5,000V.
3. TV-5 120VAC certified by UL.
4. Dielectric Strength up to 3,000VAC.
5. Comply with RoHS and REACH regulations

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	1250VA
	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..... -30~+55°C
- Humidity Range 45~85% RH.

- Coil Temperature Rise55°C Max.
- Vibration:
 - Endurance..... 10 to 55 Hz dual amplitude width 1.5mm
 - Error Operation 10 to 55 Hz dual amplitude width 1.5mm
- Shock:
 - Endurance 1,000 m/S²
 - Error Operation 100 m/S²
- Life Expectancy:
 - Mechanical 10⁷ Operations at No Load condition
 - Electrical 10⁵ Operations at Rated Resistive Load
 - 2.5x10⁴ Operations at TV Rated Load
- Weight.....About 13.8 g

Safety Standard & File Number

- UL & C-UL.....E141060
- TÜV.....R09854034

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				

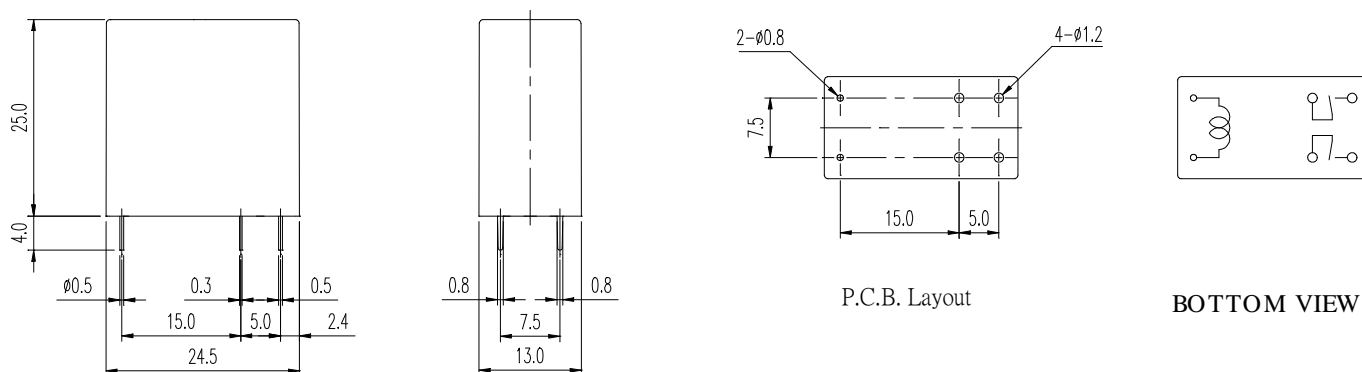
Ordering Information

GSA	-	SS	-	2	12	D	M		
								Contact Form:	M: 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: RT II Flux Proofed SH: RT III Wash Tight
								Type:	GSA

Classification

Model	GSA
Contact Form	2A
Flux Proofed	GSA-SS-2□□DM
Wash Tight	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: $+0.1\text{mm}$)



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