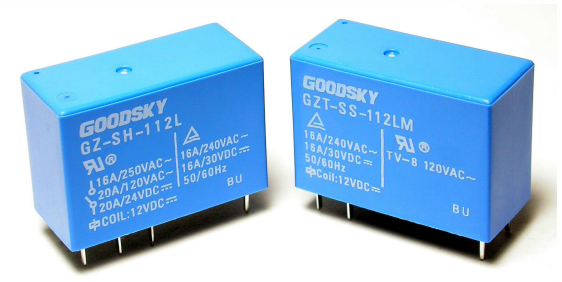
GZ/GZT



Main Feature

1. High switching current 16A.
2. 8mm Creepage distance.
3. Surge Strength up to 10,000V and Dielectric Strength 5,000V available.
4. High Sensitivity DC Coil Type of low power consumption available.
5. 1/3 Horse Power at 250VAC of GZ Series is certified by UL.
6. TV-8 at 120VAC rating of GZT Model is approved by UL.
7. Halogen Free series available.

Contact Rating

Load Type	GZ	GZT (DM/LM)
Rated Load (Resistive)	N.O.: 16A 250VAC N.O.: 16A 24VDC N.C.: 10A 250VAC N.C.: 10A 24VDC	16A 250VAC 16A 24VDC
	20A 120 VAC (U.L)	20A 120 VAC (U.L)
	20A 24 VDC (U.L)	20A 24 VDC (U.L)
Contact Capacity Rated Carrying Current	-	TV-8 120VAC
	20A	20A
Max. Allowable Voltage	AC 240V	AC 240V
Max. Allowable Current	DC 110V	DC 110V
	20A	20A
Max. Allowable Power Force	4,000VA	4,000VA
	380W	380W

Application

Cooking Appliances, Air Conditioner, Audio Equipment, Domestic Appliances, Controlling Equipment…etc.

Performance (at Initial Value)

- Contact Resistance ..... 100mΩMax.@1A,6VDC
- Operate Time..... 15 mSec. Max. (D Type)
  20 mSec. Max. (L Type)
- Release Time ..... 8 mSec. Max.
- Dielectric Strength:
  Between Coil & Contact ..... 5,000VAC at 50/60 Hz for one minute.
  Between Contacts ..... 1,000VAC at 50/60 Hz for one minute.
- Surge Strength ..... 10,000V (between Coil & Contact 1.2x50μSec.)
- Insulation Resistance..... 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching:
  Electrical..... 6 Cycles per Minute.
  Mechanical ..... 300 Cycles per Minute.
- Temperature Range..... -30～55°C
- Humidity Range..... 45～85% RH.
- Coil Temperature Rise..... 45°C Max. (D Type)
  35°C Max. (L Type)
- 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/S^2.
  Error Operation .....100 m/S^2.
- Life Expectancy:
  Mechanical .....10^7 Operations at No Load condition.
  Electrical .....10^5 Operations at Rated Resistive Load.
  $2.5x10^4$ Operations at TV Rated Load.
- Weight.....About 13.2 g.

Safety Standard & File Number

- UL & C-UL.....E141060
- TÜV.....R9854192
- VDE.....40006999

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
GZ/D/DM GZT/DM	3	240	12.5	Abt. 0.72	80% Maximum	5% Minimum	130%
	5	138.9	36				
	6	120	47				
	9	78.3	115				
	12	60	200				
	24	29.3	820				
	48	14.5	3,300				
GZ/L/LM GZT/LM	3	176.5	17	Abt. 0.54	80% Maximum	5% Minimum	130%
	5	100	50				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1,100				
	48	10.9	4,400				

Ordering Information

GZ - SS - 1 12 D M

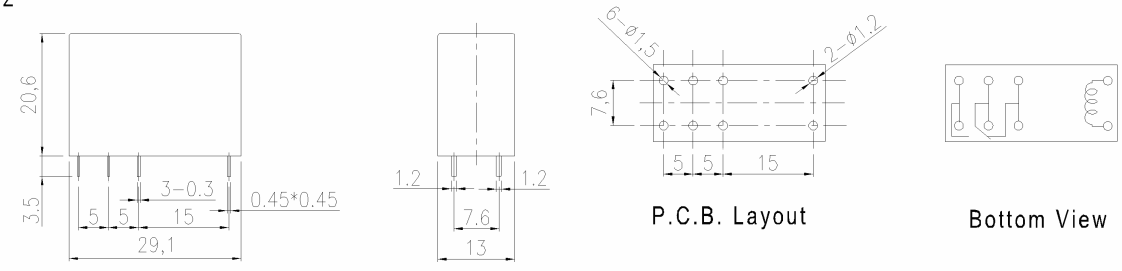
Contact Form:	**Nil:** One Form C **M:** One Form A **B:** One Form B
Coil Type:	**D:** Standard DC Coil **L:** High Sensitivity DC Coil
Coil Voltage:	**03:** 3V, **05:** 5V, **06:** 6V, **09:** 9V, **12:** 12V, **24:** 24V, **48:** 48V
Number of Pole:	**1:** One Pole
Type of Sealing:	**SS:** RT II Flux Proofed Relays **SH:** RT III Wash Tight Relays
Type:	**GZ** **GZT**

Classification

Model	GZ / GZT					
Coil Sensitivity	Standard DC Coil			High Sensitivity DC Coil		
Contact Form	1C	1A	1B	1C	1A	1B
Flux Proofed Relay	GZ-SS-1□□D	GZ (T)-SS-1□□DM	GZ-SS-1□□DB	GZ-SS-1□□L	GZ (T)-SS-1□□LM	GZ-SS-1□□LB
Wash Tight Relay	GZ-SH-1□□D	GZ (T)-SH-1□□DM	GZ-SH-1□□DB	GZ-SH-1□□L	GZ (T)-SH-1□□LM	GZ-SH-1□□LB

Dimension (≦ 5mm± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

GZ



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