

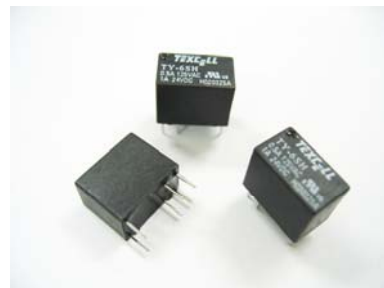


TITLE

SPECIFICATIONS

PAGE 1/4

- 1 form C (SPDT) configuration
- Max. 2A switching capability
- High sensitive: 150mW
- Sealed type



1. TYPE: TY RELAY (P/C Board type)

2. COIL

1) Standard

| COIL VOLTAGE (VDC) | PICK-UP VOLTAGE (VDC) | DROP-OUT VOLTAGE (VDC) | MAX-ALLOWABLE VOLTAGE (VDC) | COIL RESISTANCE (Ω) | COIL POWER (mW) |
|--------------------|-----------------------|------------------------|-----------------------------|---------------------|-----------------|
| 1.5 | 1.2 | 0.15 | 2.25 | 11.3 x (1±10%) | 200 |
| 3 | 2.4 | 0.3 | 4.5 | 45 x (1±10%) | |
| 5 | 4.0 | 0.5 | 7.5 | 125 x (1±10%) | |
| 6 | 4.8 | 0.6 | 9.0 | 180 x (1±10%) | |
| 9 | 7.2 | 0.9 | 13.5 | 405 x (1±10%) | |
| 12 | 9.6 | 1.2 | 18.0 | 720 x (1±10%) | |
| 24 | 19.2 | 2.4 | 36.0 | 2880 x (1±10%) | |

At 23℃

2) High-Sensitive

| COIL VOLTAGE (VDC) | PICK-UP VOLTAGE (VDC) | DROP-OUT VOLTAGE (VDC) | MAX-ALLOWABLE VOLTAGE (VDC) 23℃ | COIL RESISTANCE (Ω) | COIL POWER (mW) |
|--------------------|-----------------------|------------------------|---------------------------------|---------------------|-----------------|
| 1.5 | 1.2 | 0.15 | 2.25 | 15 x (1±10%) | 150 |
| 3 | 2.4 | 0.3 | 4.5 | 60 x (1±10%) | |
| 5 | 4.0 | 0.5 | 7.5 | 167 x (1±10%) | |
| 6 | 4.8 | 0.6 | 9.0 | 240 x (1±10%) | |
| 9 | 7.2 | 0.9 | 13.5 | 540 x (1±10%) | |
| 12 | 9.6 | 1.2 | 18.0 | 960 x (1±10%) | |
| 24 | 19.2 | 2.4 | 36.0 | 3840 x (1±10%) | |

At 23℃



TITLE

SPECIFICATIONS

PAGE 2/4

3. CONTACTS

- 3-1) Contact arrangement : 1 Form C
- 3-2) Contact Material : AgNi + Au plated
- 3-3) Contact resistance : 100mΩ at 0.1A 6VDC
- 3-4) Contact ratings (Resistive load) : 0.5A 125VAC/1A 30VDC
- 3-5) Max. switching voltage : 125VAC/60VDC
- 3-6) Max. switching current : 2A
- 3-7) Max. switching power : 62.5VA/30W
- 3-8) Minimum load : 1mA 5V

4. CHARACTERISTICS

- 4-1) Operate time (at nomi. volt.) : Max. 5msec
- 4-2) Release time (at nomi. volt.) : Max. 5msec
- 4-3) Bounce time (at nomi. volt.) : Max. 5msec
- 4-4) Insulation resistance : Min. 1000MΩ (at 500VDC)
- 4-5) Dielectric strength
 - ⊙ Between open contacts : AC 400 Volt / one minute
 - ⊙ Between coil and contacts : AC 1,000Volt / one minute
- 4-6) Vibration resistance : 10 to 55Hz 3.3mm DA
- 4-7) Shock resistance : 100m/s²
- 4-8) Ambient temperature : -30 to +70℃
- 4-9) Temperature Rise (at nomi. volt.) : 65K max
- 4-10) Humidity : 35 to 85% RH
- 4-11) Life expectancy
 - ⊙ Mechanical : Min. 10,000,000 operations
(at 300 operations/minute)
 - ⊙ Electrical : Min. 100,000 operations (at 30 operations/minute)
- 4-12) Weight : Approx. 2.2g
- 4-13) Outline dimension (L x W x H) : 12.5 x 7.5 x 10.0mm
- 4-14) Safety standard : cUL



TITLE

SPECIFICATION

PAGE 3/4

5. ORDERING INFORMATION

EX.) TY - 12 S H

| Model | Coil Voltage (VDC) | S : SEALED TYPE | Coil Power |
|-------|-------------------------|--------------------|-------------------------|
| TY | 1.5, 3, 5, 6, 9, 12, 24 | | Nil : 0.2W H : 0.15W |

TO:

TEXCELL NETCOM CO., LTD.
DEVELOPMENT DEPT.

DATE:

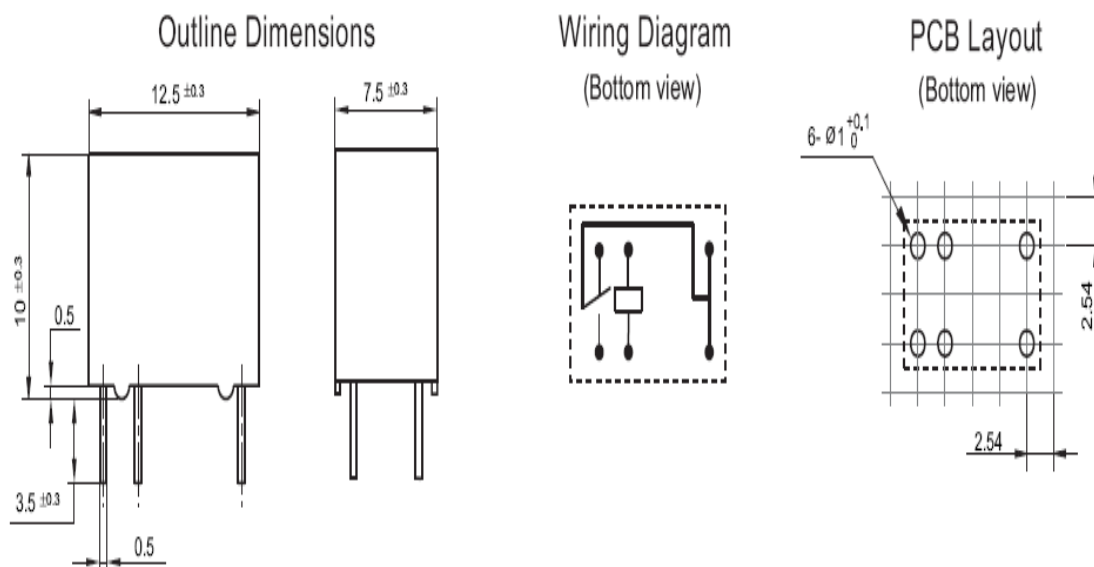
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TITLE

DIMENSIONS

PAGE 4/4



- Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
- 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.
- 3) The width of the gridding is 2.54mm.

**** Disclaimer ****

This data sheet is for the customer's reference. All the specifications are subject to change without notice. We could not evaluate all the performance and all parameters for every possible application. Thus the user should be in right position to choose the suitable product for own application. If there is any query, please contact to Texcell Netcom Co., Ltd. for the technical service. However, it is the user's responsibility to determine which product should be used only.

TO:

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