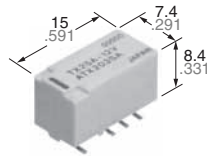
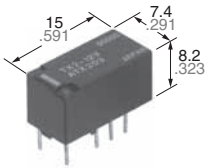


**2 A CAPACITY RELAY  
WITH HIGH SURGE  
VOLTAGE & HIGH  
BREAKDOWN VOLTAGE**

**TX RELAYS**



mm inch

RoHS Directive compatibility information  
<http://www.nais-e.com/>

**FEATURES**

- Breakdown voltage between contacts and coil: 2,000 V
- Surge withstand between contacts and coil: 2,500 V
- High contact capacity: 2 A 30 V DC
- Surface-mount type available

**7.5A Maximum Switching Current Now Available**

**SPECIFICATIONS**

| Contact  |  |  |                   |
|--|--|--|-------------------|
| Arrangement  |  | 2 Form C   |                   |
| Initial contact resistance, max.<br>(By voltage drop 6 V DC 1 A) |  | 100 mΩ   |                   |
| Contact material   |  | Standard contact:<br>Ag+Au clad, AgPd contact<br>(low level load);<br>AgPd+Au clad (stationary),<br>AgPd (movable) |                   |
| Rating   | Nominal switching capacity<br>(resistive load)             | 2 A 30 V DC  |                   |
|  | Max. switching power<br>(resistive load)                   | 60 W   |                   |
|  | Max. switching voltage                                     | 220 V DC   |                   |
|  | Max. switching current                                     | 2 A  |                   |
|  | Min. switching capacity<br>(Reference value) <sup>#1</sup> | 10 μA 10 mV DC   |                   |
| Nominal operating power  | Single side stable   | 140 mW (1.5 to 24 V DC)<br>270 mW (48 V DC)  |                   |
|  | 1 coil latching  | 100 mW (1.5 to 24 V DC)  |                   |
|  | 2 coil latching  | 200 mW (1.5 to 24 V DC)  |                   |
| Expected life (min. operations)                                  | Mechanical (at 180 cpm)                                    | 10 <sup>8</sup>  |                   |
|  | Electrical (at 20 cpm)                                     | 2 A 30 V DC resistive  | 10 <sup>5</sup>   |
|  |  | 1 A 30 V DC resistive  | 5×10 <sup>5</sup> |

**Notes:**

- #1 This value can change due to the switching frequency, environmental conditions, and desired reliability level, therefore it is recommended to check this with the actual load. (AgPd contact type or SX relays are available for low level load switching [10V DC, 10mA max. level])
- #2 The upper limit for the ambient temperature is the maximum temperature that can satisfy the coil temperature rise. Under the packing condition, allowable temperature range is from -40 to +70°C -40° to +158°F.

**Remarks**

- \* Specifications will vary with foreign standards certification ratings.  
<sup>#1</sup> Measurement at same location as "Initial breakdown voltage" section.  
<sup>#2</sup> By resistive method, nominal voltage applied to the coil; contact carrying current: 2 A.  
<sup>#3</sup> Nominal voltage applied to the coil, excluding contact bounce time.  
<sup>#4</sup> Nominal voltage applied to the coil, excluding contact bounce time without diode.  
<sup>#5</sup> Half-wave pulse of sine wave: 6 ms; detection time: 10 μs.  
<sup>#6</sup> Half-wave pulse of sine wave: 6 ms.  
<sup>#7</sup> Detection time: 10 μs.  
<sup>#8</sup> Refer to 6. Conditions for operation, transport and storage mentioned in AMBIENT ENVIRONMENT

**Characteristics**

|   |  |  |
|---|--|--|
| Initial insulation resistance <sup>*1</sup>   |  | Min. 1,000 MΩ (at 500 V DC)  |
| Initial breakdown voltage   | Between open contacts                  | 1,000 Vrms for 1 min.<br>(Detection current: 10 mA)  |
|   | Between contact sets                   | 1,000 Vrms for 1 min.<br>(Detection current: 10 mA)  |
|   | Between contact and coil               | 2,000 Vrms for 1 min.<br>(Detection current: 10 mA)  |
| Initial surge voltage   | Between open contacts<br>(10×160 μs)   | 1,500 V (FCC Part 68)  |
|   | Between contacts and coil<br>(2×10 μs) | 2,500 V (Telcordia)  |
| Temperature rise <sup>*2</sup> (at 20°C)  |  | Max. 50°C  |
| Operate time [Set time] <sup>*3</sup> (at 20°C)   |  | Max. 4 ms [Max. 4 ms]  |
| Release time [Reset time] <sup>*4</sup> (at 20°C)   |  | Max. 4 ms [Max. 4 ms]  |
| Shock resistance  | Functional <sup>*5</sup>               | Min. 750 m/s <sup>2</sup> {75 G}   |
|   | Destructive <sup>*6</sup>              | Min. 1,000 m/s <sup>2</sup> {100 G}  |
| Vibration resistance  | Functional <sup>*7</sup>               | 196 m/s <sup>2</sup> {20 G}, 10 to 55 Hz<br>at double amplitude of 3.3 mm  |
|   | Destructive                            | 294 m/s <sup>2</sup> {30G}, 10 to 55 Hz<br>at double amplitude of 5 mm   |
| Conditions for operation, transport and storage <sup>*8</sup><br>(Not freezing and condensing at low temperature) | Ambient temperature <sup>#2</sup>      | -40°C to +85°C (up to 24 V coil)<br>-40°F to +185°F (up to 24 V coil)<br>-40°C to +70°C (48 V coil)<br>-40°F to +158°F (48 V coil) |
|   | Humidity                               | 5 to 85% R.H.  |
| Unit weight   |  | Approx. 2 g .071 oz  |

**TX2SA-LT-\*V-TH**

- 7.5A inrush current rating
- 2.4V coil voltage option
- Industry standard footprint

See Note 3 under ordering information for part number selection

## ORDERING INFORMATION

Ex. TX 2 SA - L - H - 3V - 1 - Z

| Contact arrangement | Surface-mount availability  | Operating function  | Terminal shape  | Coil voltage (DC)                   | Contact material  | Packing style   |
|---------------------|---|---|---|-------------------------------------|---|---|
| 2: 2 Form C         | Nil: Standard PC board terminal type or self-clinching terminal type<br>SA: Standard surface-mount terminal type<br>SL: High connection reliability surface-mount terminal type<br>SS: Space saving surface-mount terminal type | Nil: Single side stable<br>L: 1 coil latching<br>L2: 2 coil latching<br><b>LT: 2 coil latching standard footprint</b> | Nil: Standard PC board terminal or surface-mount terminal<br>H: Self-clinching terminal | 1.5, 3, 4.5, 5, 6, 9, 12, 24, 48* V | Nil: Standard contact (Ag+Au clad)<br>1: AgPd contact (low level load); AgPd+Au clad (stationary), AgPd (movable) | Nil: Tube packing<br>Z: Tape and reel packing (picked from the 8/9/10/12 -pin side) |

Notes: 1. Tape and reel (picked from 1/3/4/5-pin side) is also available by request.

Part number suffix "-X" is needed when ordering.

(ex.) TX2SA-3 V-X

2. Tape and reel packing symbol "-Z" or "-X" are not marked on the relay.

3. For TH Relay: \*48 V coil type: Single side stable only

**TX2SA-LT-\* V-TH (tube packing)**

**TX2SA-LT-\* V-TH-Z (tape and reel packing)**

**Available coil voltages: 1.5, 2.4, 3, 4.5, 5, 6, 9, 12, 24V DC**

## TYPES AND COIL DATA (at 20°C 68°F)

### 1) Standard PC board terminal type and self-clinching terminal type

#### 1. Single side stable

| Part No.                   |                         | Nominal voltage, V DC | Pick-up voltage, V DC (max.) | Drop-out voltage, V DC (min.) | Nominal operating current, mA (±10%) | Coil resistance, Ω (±10%) | Nominal operating power, mW | Max. allowable voltage, V DC |
|----------------------------|-------------------------|-----------------------|------------------------------|-------------------------------|--------------------------------------|---------------------------|-----------------------------|------------------------------|
| Standard PC board terminal | Self-clinching terminal |                       |                              |                               |                                      |                           |                             |                              |
| TX2-1.5 V                  | TX2-H-1.5 V             | 1.5                   | 1.13                         | 0.15                          | 93.8                                 | 16                        | 140                         | 2.2                          |
| TX2-3 V                    | TX2-H-3 V               | 3                     | 2.25                         | 0.3                           | 46.7                                 | 64.3                      | 140                         | 4.5                          |
| TX2-4.5 V                  | TX2-H-4.5 V             | 4.5                   | 3.38                         | 0.45                          | 31                                   | 145                       | 140                         | 6.7                          |
| TX2-5 V                    | TX2-H-5 V               | 5                     | 3.75                         | 0.5                           | 28.1                                 | 178                       | 140                         | 7.5                          |
| TX2-6 V                    | TX2-H-6 V               | 6                     | 4.5                          | 0.6                           | 23.3                                 | 257                       | 140                         | 9                            |
| TX2-9 V                    | TX2-H-9 V               | 9                     | 6.75                         | 0.9                           | 15.5                                 | 579                       | 140                         | 13.5                         |
| TX2-12 V                   | TX2-H-12 V              | 12                    | 9                            | 1.2                           | 11.7                                 | 1,028                     | 140                         | 18                           |
| TX2-24 V                   | TX2-H-24 V              | 24                    | 18                           | 2.4                           | 5.8                                  | 4,114                     | 140                         | 36                           |
| TX2-48 V                   | TX2-H-48 V              | 48                    | 36                           | 4.8                           | 5.6                                  | 8,533                     | 270                         | 57.6                         |

#### 2. 1 Coil latching

| Part No.                   |                         | Nominal voltage, V DC | Set voltage, V DC (max.) | Reset voltage, V DC (max.) | Nominal operating current, mA (±10%) | Coil resistance, Ω (±10%) | Nominal operating power, mW | Max. allowable voltage, V DC |
|----------------------------|-------------------------|-----------------------|--------------------------|----------------------------|--------------------------------------|---------------------------|-----------------------------|------------------------------|
| Standard PC board terminal | Self-clinching terminal |                       |                          |                            |                                      |                           |                             |                              |
| TX2-L-1.5 V                | TX2-L-H-1.5 V           | 1.5                   | 1.13                     | 1.13                       | 66.7                                 | 22.5                      | 100                         | 2.2                          |
| TX2-L-3 V                  | TX2-L-H-3 V             | 3                     | 2.25                     | 2.25                       | 33.3                                 | 90                        | 100                         | 4.5                          |
| TX2-L-4.5 V                | TX2-L-H-4.5 V           | 4.5                   | 3.38                     | 3.38                       | 22.2                                 | 202.5                     | 100                         | 6.7                          |
| TX2-L-5 V                  | TX2-L-H-5 V             | 5                     | 3.75                     | 3.75                       | 20                                   | 250                       | 100                         | 7.5                          |
| TX2-L-6 V                  | TX2-L-H-6 V             | 6                     | 4.5                      | 4.5                        | 16.7                                 | 360                       | 100                         | 9                            |
| TX2-L-9 V                  | TX2-L-H-9 V             | 9                     | 6.75                     | 6.75                       | 11.1                                 | 810                       | 100                         | 13.5                         |
| TX2-L-12 V                 | TX2-L-H-12 V            | 12                    | 9                        | 9                          | 8.3                                  | 1,440                     | 100                         | 18                           |
| TX2-L-24 V                 | TX2-L-H-24 V            | 24                    | 18                       | 18                         | 4.2                                  | 5,760                     | 100                         | 36                           |

#### 3. 2 Coil latching

| Part No.                   |                         | Nominal voltage, V DC | Set voltage, V DC (max.) | Reset voltage, V DC (max.) | Nominal operating current, mA (±10%) | Coil resistance, Ω (±10%) | Nominal operating power, mW | Max. allowable voltage, V DC |
|----------------------------|-------------------------|-----------------------|--------------------------|----------------------------|--------------------------------------|---------------------------|-----------------------------|------------------------------|
| Standard PC board terminal | Self-clinching terminal |                       |                          |                            |                                      |                           |                             |                              |
| TX2-L2-1.5 V               | TX2-L2-H-1.5 V          | 1.5                   | 1.13                     | 1.13                       | 133.9                                | 11.2                      | 200                         | 2.2                          |
| TX2-L2-3 V                 | TX2-L2-H-3 V            | 3                     | 2.25                     | 2.25                       | 66.7                                 | 45                        | 200                         | 4.5                          |
| TX2-L2-4.5 V               | TX2-L2-H-4.5 V          | 4.5                   | 3.38                     | 3.38                       | 44.5                                 | 101.2                     | 200                         | 6.7                          |
| TX2-L2-5 V                 | TX2-L2-H-5 V            | 5                     | 3.75                     | 3.75                       | 40                                   | 125                       | 200                         | 7.5                          |
| TX2-L2-6 V                 | TX2-L2-H-6 V            | 6                     | 4.5                      | 4.5                        | 33.3                                 | 180                       | 200                         | 9                            |
| TX2-L2-9 V                 | TX2-L2-H-9 V            | 9                     | 6.75                     | 6.75                       | 22.2                                 | 405                       | 200                         | 13.5                         |
| TX2-L2-12 V                | TX2-L2-H-12 V           | 12                    | 9                        | 9                          | 16.7                                 | 720                       | 200                         | 18                           |
| TX2-L2-24 V                | TX2-L2-H-24 V           | 24                    | 18                       | 18                         | 8.3                                  | 2,880                     | 200                         | 36                           |

Notes:

1. Specified value of pick-up, drop-out, set and reset voltage is with the condition of square wave coil pulse.

2. Standard packing: Tube: 40 pcs.; Case: 1,000 pcs.

3. In case of 5 V transistor drive circuit, it is recommended to use 4.5 V type relay.

4. Please add "-1" to the end of the part number for AgPd contacts (low level load).

# TX

## 2) Surface-mount terminal type

### 1. Single side stable

| Part No.    | Nominal voltage, V DC | Pick-up voltage, V DC (max.) | Drop-out voltage, V DC (min.) | Nominal operating current, mA ( $\pm 10\%$ ) | Coil resistance, $\Omega$ ( $\pm 10\%$ ) | Nominal operating power, mW | Max. allowable voltage, V DC |
|-------------|-----------------------|------------------------------|-------------------------------|--|--|-----------------------------|------------------------------|
| TX2SO-1.5 V | 1.5                   | 1.13                         | 0.15                          | 93.8   | 16                                       | 140                         | 2.2                          |
| TX2SO-3 V   | 3                     | 2.25                         | 0.3                           | 46.7   | 64.3                                     | 140                         | 4.5                          |
| TX2SO-4.5 V | 4.5                   | 3.38                         | 0.45                          | 31   | 145                                      | 140                         | 6.7                          |
| TX2SO-5 V   | 5                     | 3.75                         | 0.5                           | 28.1   | 178                                      | 140                         | 7.5                          |
| TX2SO-6 V   | 6                     | 4.5                          | 0.6                           | 23.3   | 257                                      | 140                         | 9                            |
| TX2SO-9 V   | 9                     | 6.75                         | 0.9                           | 15.5   | 579                                      | 140                         | 13.5                         |
| TX2SO-12 V  | 12                    | 9                            | 1.2                           | 11.7   | 1,028                                    | 140                         | 18                           |
| TX2SO-24 V  | 24                    | 18                           | 2.4                           | 5.8  | 4,114                                    | 140                         | 36                           |
| TX2SO-48 V  | 48                    | 36                           | 4.8                           | 5.6  | 8,533                                    | 270                         | 57.6                         |

### 2. 1 coil latching

| Part No.      | Nominal voltage, V DC | Set voltage, V DC (max.) | Reset voltage, V DC (max.) | Nominal operating current, mA ( $\pm 10\%$ ) | Coil resistance, $\Omega$ ( $\pm 10\%$ ) | Nominal operating power, mW | Max. allowable voltage, V DC |
|---------------|-----------------------|--------------------------|----------------------------|--|--|-----------------------------|------------------------------|
| TX2SO-L-1.5 V | 1.5                   | 1.13                     | 1.13                       | 66.7   | 22.5                                     | 100                         | 2.2                          |
| TX2SO-L-3 V   | 3                     | 2.25                     | 2.25                       | 33.3   | 90                                       | 100                         | 4.5                          |
| TX2SO-L-4.5 V | 4.5                   | 3.38                     | 3.38                       | 22.2   | 202.5                                    | 100                         | 6.7                          |
| TX2SO-L-5 V   | 5                     | 3.75                     | 3.75                       | 20   | 250                                      | 100                         | 7.5                          |
| TX2SO-L-6 V   | 6                     | 4.5                      | 4.5                        | 16.7   | 360                                      | 100                         | 9                            |
| TX2SO-L-9 V   | 9                     | 6.75                     | 6.75                       | 11.1   | 810                                      | 100                         | 13.5                         |
| TX2SO-L-12 V  | 12                    | 9                        | 9                          | 8.3  | 1,440                                    | 100                         | 18                           |
| TX2SO-L-24 V  | 24                    | 18                       | 18                         | 4.2  | 5,760                                    | 100                         | 36                           |

### 3. 2 coil latching

| Part No.       | Nominal voltage, V DC | Set voltage, V DC (max.) | Reset voltage, V DC (max.) | Nominal operating current, mA ( $\pm 10\%$ ) | Coil resistance, $\Omega$ ( $\pm 10\%$ ) | Nominal operating power, mW | Max. allowable voltage, V DC |
|----------------|-----------------------|--------------------------|----------------------------|--|--|-----------------------------|------------------------------|
| TX2SO-L2-1.5 V | 1.5                   | 1.13                     | 1.13                       | 133.9  | 11.2                                     | 200                         | 2.2                          |
| TX2SO-L2-3 V   | 3                     | 2.25                     | 2.25                       | 66.7   | 45                                       | 200                         | 4.5                          |
| TX2SO-L2-4.5 V | 4.5                   | 3.38                     | 3.38                       | 44.5   | 101.2                                    | 200                         | 6.7                          |
| TX2SO-L2-5 V   | 5                     | 3.75                     | 3.75                       | 40   | 125                                      | 200                         | 7.5                          |
| TX2SO-L2-6 V   | 6                     | 4.5                      | 4.5                        | 33.3   | 180                                      | 200                         | 9                            |
| TX2SO-L2-9 V   | 9                     | 6.75                     | 6.75                       | 22.2   | 405                                      | 200                         | 13.5                         |
| TX2SO-L2-12 V  | 12                    | 9                        | 9                          | 16.7   | 720                                      | 200                         | 18                           |
| TX2SO-L2-24 V  | 24                    | 18                       | 18                         | 8.3  | 2,880                                    | 200                         | 36                           |

○: For each surface-mounted terminal variation, input the following letter.

SA type: A, SL type: L, SS type: S

#### Notes:

- Specified value of pick-up, drop-out, set and reset voltage is with the condition of square wave coil pulse.
- Standard packing: Tube: 40 pcs.; Case: 1,000 pcs.
- Tape and reel packing is also available for surface-mount type by request. Part number suffix "-X" or "-Z" is needed when ordering.  
In this case, "X" or "Z" are not marked on the relay.  
Quantity in tape and reel: 500 pcs.  
(ex.) • TX2SA-3V-X • TX2SA-L-3V-Z  
└ Picked from the 1/3/4/5-pin side
└ Picked from the 8/9/10/12-pin side
- In case of 5 V transistor drive circuit, it is recommended to use 4.5 V type relay.
- Please add "-1" before the packing style in the part number for AgPd contacts (low level load).

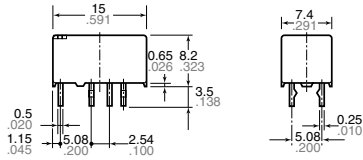
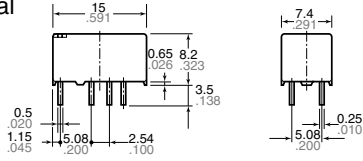
# DIMENSIONS

## 1. Single side stable and 1 coil latching type

Standard PC board terminal

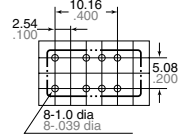


Self clinching terminal



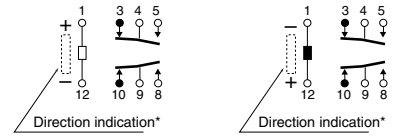
General tolerance:  $\pm 0.3 \pm .012$

PC board pattern  
(Copper-side view)



Tolerance:  $\pm 0.1 \pm .004$

Schematic (Bottom view)  
Single side stable (Deenergized condition)      1 coil latching (Reset condition)

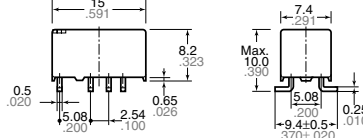
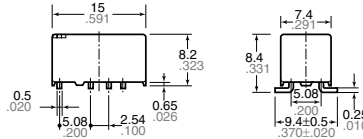


\*Orientation stripe located on top of relay.

Surface-mount terminal  
SA type

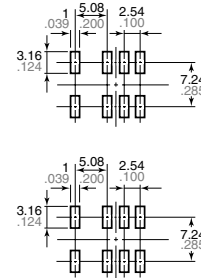


SL type



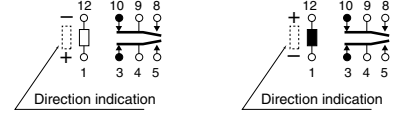
General tolerance:  $\pm 0.3 \pm .012$

Suggested mounting pad  
(Top view)



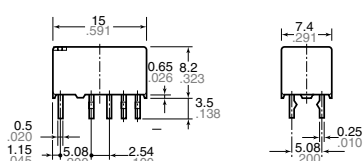
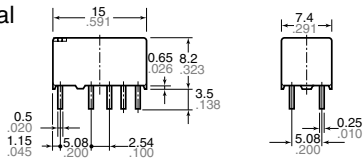
Tolerance:  $\pm 0.1 \pm .004$

Schematic (Top view)  
Single side stable (Deenergized condition)      1 coil latching (Reset condition)



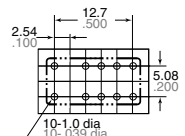
## 2. Coil latching type

Standard PC board terminal



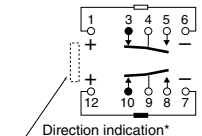
General tolerance:  $\pm 0.3 \pm .012$

PC board pattern  
(Copper side view)



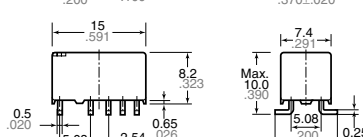
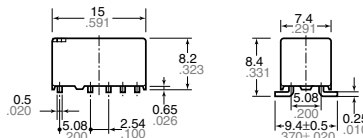
Tolerance:  $\pm 0.1 \pm .004$

Schematic (Bottom view)  
2 coil latching (Reset condition)



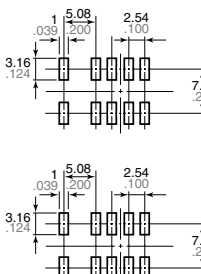
Self clinching terminal

Surface-mount terminal  
SA type



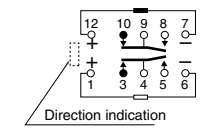
General tolerance:  $\pm 0.3 \pm .012$

Suggested mounting pad (Top view)



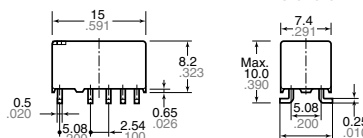
Tolerance:  $\pm 0.1 \pm .004$

Schematic (Top view)  
2 coil latching (Reset condition)



SL type

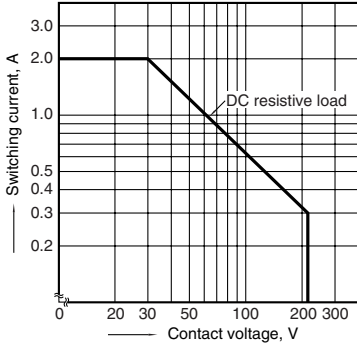
SS type



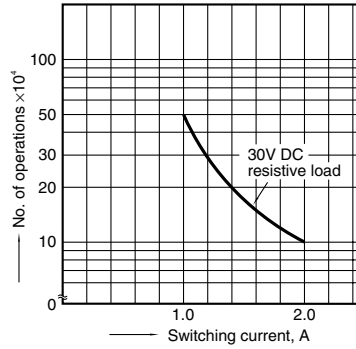
General tolerance:  $\pm 0.3 \pm .012$

## REFERENCE DATA

### 1. Maximum switching capacity

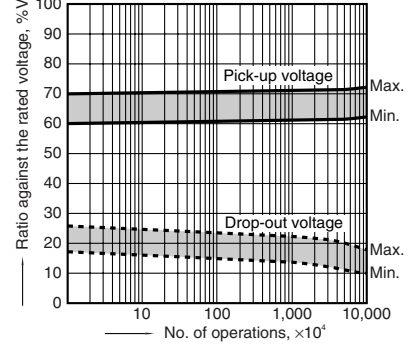


### 2. Life curve



### 3. Mechanical life

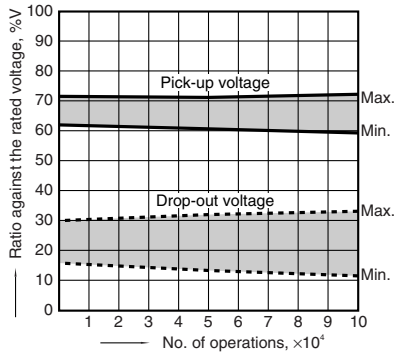
Tested sample: TX2-5V, 10 pcs.  
Operating frequency: 180 cpm



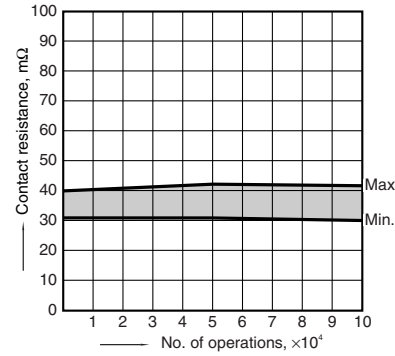
### 4. Electrical life

Tested sample: TX2-5V, 6 pcs.  
Operating frequency: 20 cpm

#### Change of pick-up and drop-out voltage

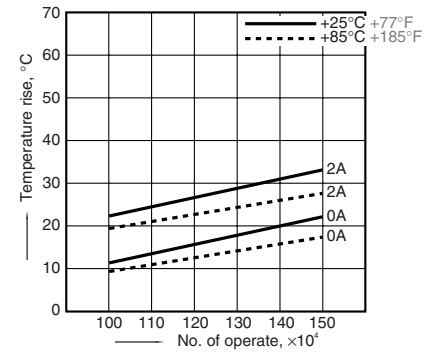


#### Change of contact resistance



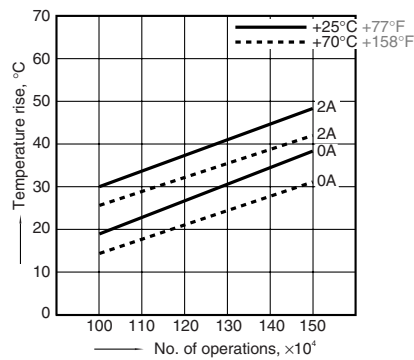
### 5-(1). Coil temperature rise

Tested sample: TX2-5V, 6 pcs.  
Point measured: Inside the coil  
Ambient temperature: 25°C 77°F, 85°C 185°F



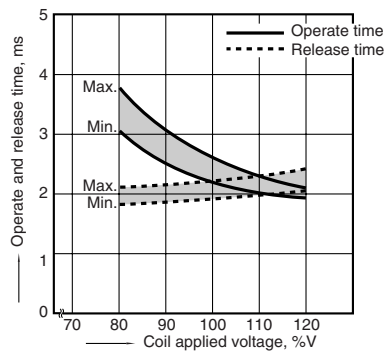
### 5-(2). Coil temperature rise

Tested sample: TX2-48V, 6 pcs.  
Point measured: Inside the coil  
Ambient temperature: 25°C 77°F, 70°C 158°F

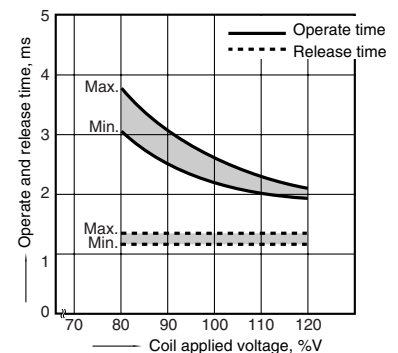


### 6-(1). Operate and release time (with diode)

Tested sample: TX2-5V, 10 pcs.

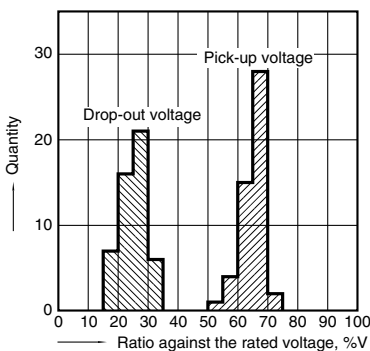


### 6-(2). Operate and release time (without diode)



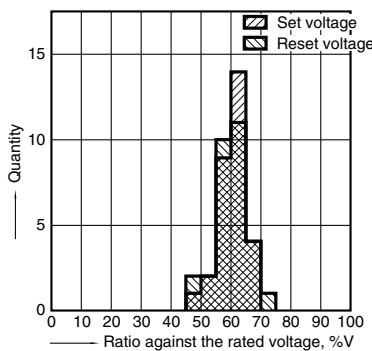
### 7. Distribution of pick-up and drop-out voltage

Tested sample: TX2-5V, 50 pcs.



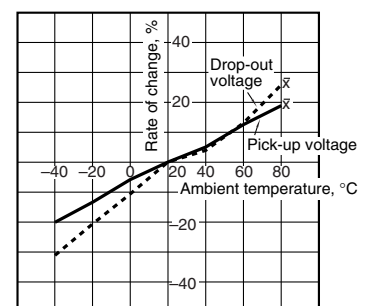
### 8. Distribution of set and reset voltage

Tested sample: TX2-L2-12V, 30 pcs.

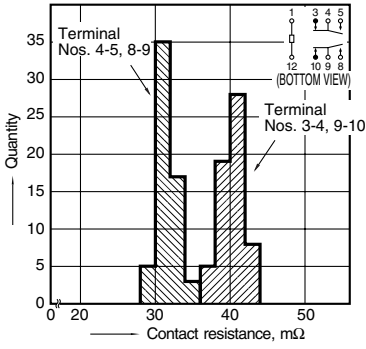


### 9. Ambient temperature characteristics

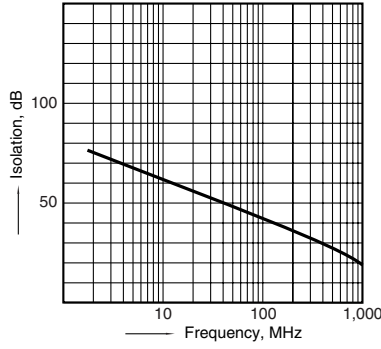
Tested sample: TX2-5V, 5 pcs.



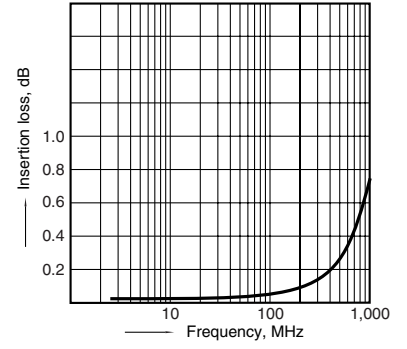
10. Distribution of contact resistance  
 Tested sample: TX2-5V, 30 pcs. (30 × 4 contacts)



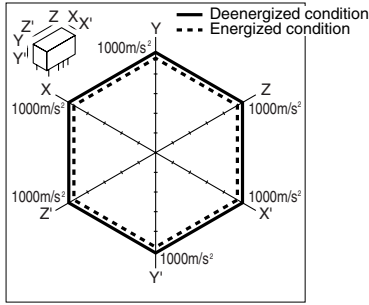
11-(1). High frequency characteristics  
 Tested sample: TX2-12V, 2 pcs.  
 Isolation characteristics



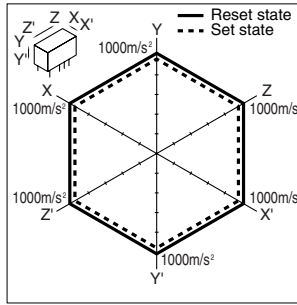
11-(2). High frequency characteristics  
 Tested sample: TX2-12V, 2 pcs.  
 Insertion loss characteristics



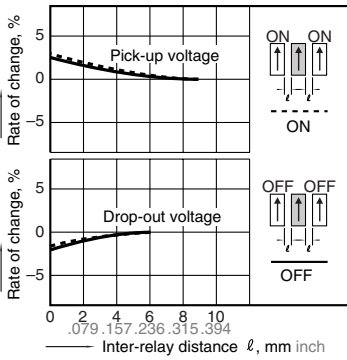
12-(1). Malfunctional shock (single side stable)  
 Tested sample: TX2-5V, 6 pcs



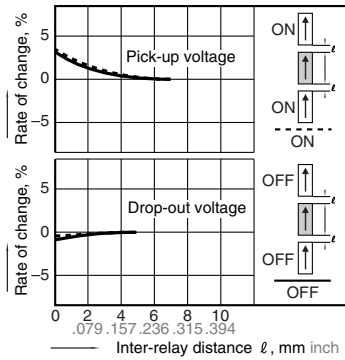
12-(2). Malfunctional shock (latching)  
 Tested sample: TX2-L2-12V, 6 pcs.



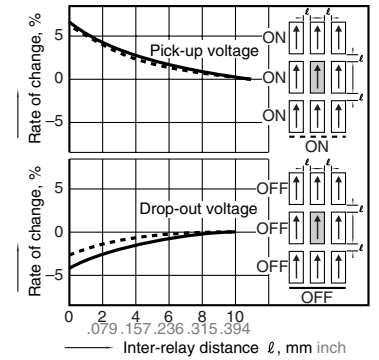
13-(1). Influence of adjacent mounting



13-(2). Influence of adjacent mounting

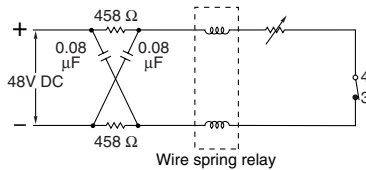


13-(3). Influence of adjacent mounting

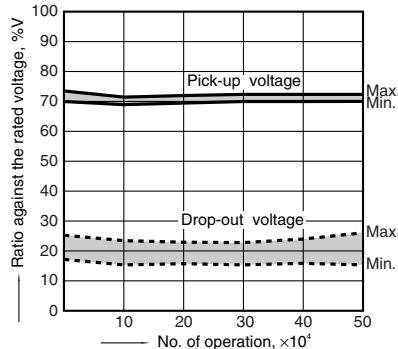


14. Pulse dialing test  
 Tested sample: TX2-5V, 6 pcs.  
 (35 mA 48 V DC wire spring relay load)

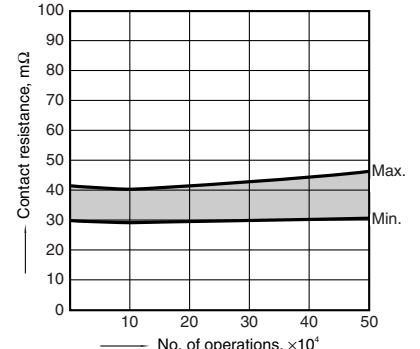
Circuit



Change of pick-up and drop-out voltage



Change of contact resistance

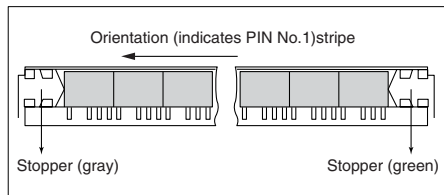


Note: Data of surface-mount type are the same as those of PC board terminal type.

## NOTES

### 1. Packing style

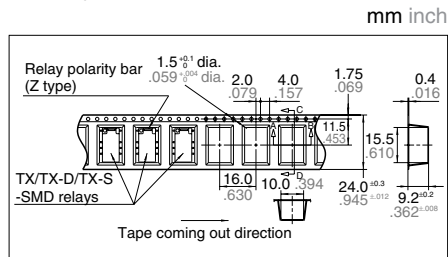
1) The relay is packed in a tube with the relay orientation mark on the left side, as shown in the figure below.



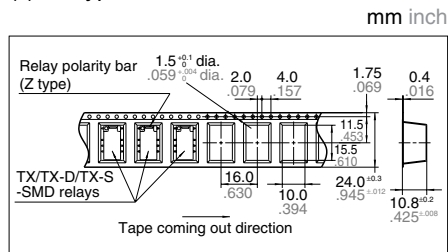
2) Tape and reel packing (surface-mount terminal type)

(1) Tape dimensions

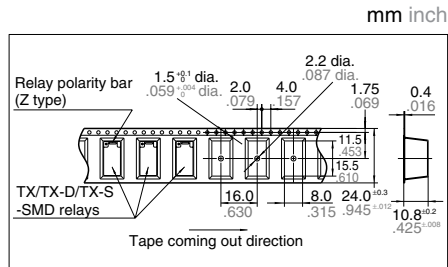
(i) SA type



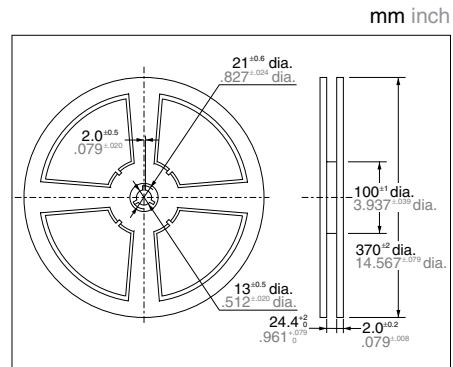
(ii) SL type



(iii) SS type

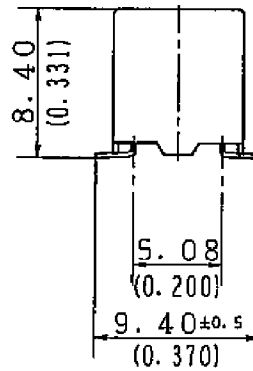
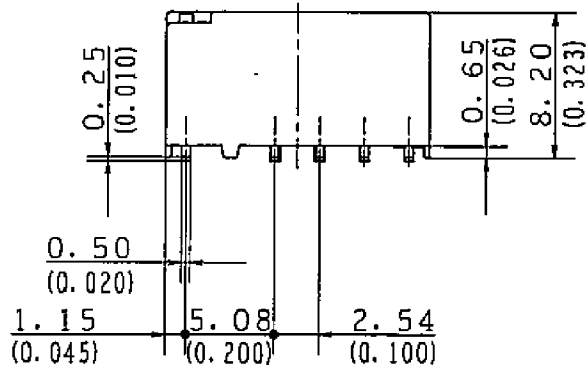
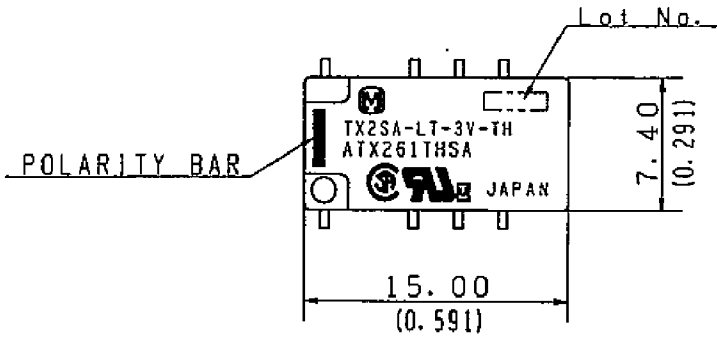


(2) Dimensions of plastic reel

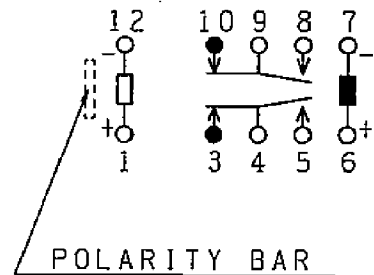
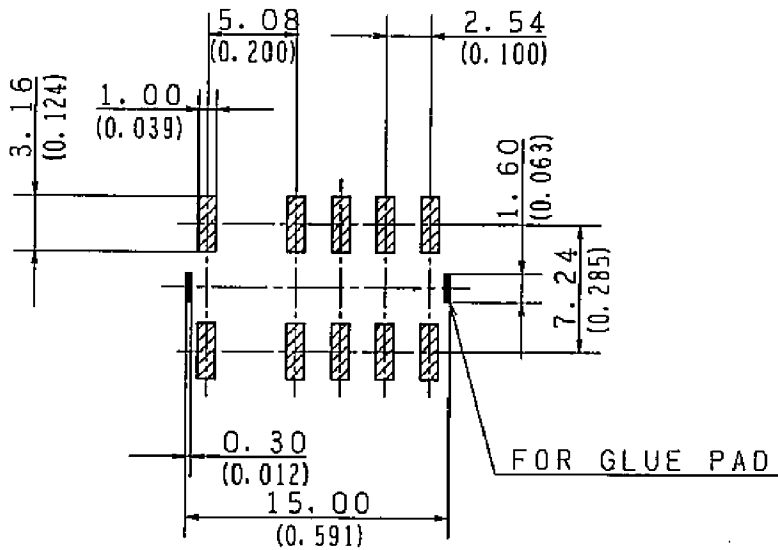


**For Cautions for Use, see Relay Technical Information.**

# TX2SA-LT-\*V-TH DIMENSIONS



DIMENSION (TOLERANCE: ±0.3)



SUGGESTED MOUNTING PADS  
(TOP VIEW)  
(TOLERANCE: ±0.1)

SCHEMATIC  
(TOP VIEW)

Reset position