



## Main Feature

1. Slim type and small occupying area can be applied in high density P.C. Board mounting technique.
2. Insulation distance of 8mm is designed. The employment of insulation material is meeting to JIS Insulation Class E. Surge Resistance of 10,000V is realized.
3. Low power consumption of MIT-L type and general power consumption of MIT-D type are designed for user's selection.
4. TV-5 at 120VAC (600W) is certified by UL & CSA.

## Application

Remote Control TV Receivers, Monitor displays, Audio Equipment and high Inrush Current can be used.

## Contact Rating

- Nominal Load (Resistive Load  $\cos \varphi = 1$ )  
Contact Capacity ..... 10A at 240VDC.  
5A at 24VAC.  
TV-5 at 120VAC.
- Rated Carrying Current ..... 10A.
- Max. Allowable Current ..... 10A.
- Max. Allowable Voltage ..... AC 240V, DC 110V.
- Max. Allowable Power Force. 2,400VA, 300W.
- Min. Switching Load ..... DC 10V, 10mA.
- Contact Material ..... Ag Alloy.
- Contact Form ..... SPST.

## Performance (at Initial Value)

- Contact Resistance ..... 100m $\Omega$  Max. @ 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 Resistance ..... 10,000 V (between Coil  
& Contact 1.2x50 $\mu$ Sec.)
- Insulation Resistance ..... 100 Mega $\Omega$  Min. at  
500VDC.
- Max. On/Off Switching :  
Electrical ..... 30 Ops per Minute.
- Mechanical ..... 300 Ops per Minute.

- Temperature Range ..... MIT-D: -30~55°C  
MIT-L: -30~70°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<sup>2</sup> Min.
- Error Operation ..... 100 m/S<sup>2</sup> Min.
- Life Expectancy :  
Mechanical ..... 10<sup>7</sup> Operations at No  
Load condition.
- Electrical ..... 10<sup>5</sup> Operations at  
Rated Resistive Load.  
2.5x10<sup>4</sup> Operations at  
TV Rated Load.
- Weight ..... About 13 g.

## Safety Standard & Its File Number

- UL ..... E141060
- CSA ..... LR76598
- TÜV ..... R9352331

## Coil Specification (at 20°C)

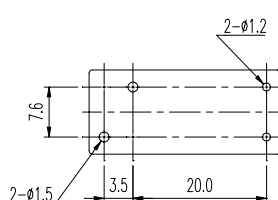
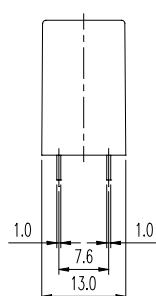
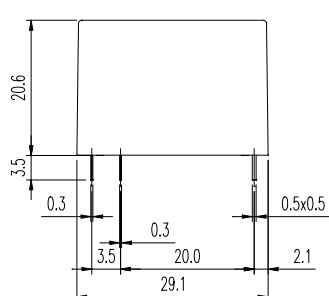
| Coil Sensitivity | Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance ( $\Omega \pm 10\%$ ) | Power Consumption (W) | Pull-In Voltage (VDC) | Drop-Out Voltage (VDC) | Maximum Allowable Voltage (VDC) |
|------------------|-----------------------|----------------------|---------------------------------------|-----------------------|-----------------------|------------------------|---------------------------------|
| MIT - DM         | 3                     | 240                  | 12.5                                  | Abt. 0.72             | 80% Maximum           | 5% Minimum             | 130%                            |
|                  | 5                     | 138.9                | 36                                    |                       |                       |                        |                                 |
|                  | 6                     | 120                  | 50                                    |                       |                       |                        |                                 |
|                  | 9                     | 78.3                 | 115                                   |                       |                       |                        |                                 |
|                  | 12                    | 60                   | 200                                   |                       |                       |                        |                                 |
|                  | 24                    | 29.3                 | 820                                   |                       |                       |                        |                                 |
| MIT - LM         | 48                    | 14.5                 | 3,300                                 | Abt. 0.54             | 80% Maximum           | 5% Minimum             | 130%                            |
|                  | 3                     | 176.5                | 17                                    |                       |                       |                        |                                 |
|                  | 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:

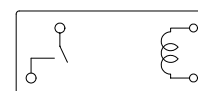
|                                                                      |                                |                                                  |                                                                   |                                |    |   |   |
|----------------------------------------------------------------------|--------------------------------|--------------------------------------------------|-------------------------------------------------------------------|--------------------------------|----|---|---|
| MIT                                                                  | -                              | SS                                               | -                                                                 | 1                              | 12 | D | M |
| Type of Sealing<br>SS - Flow Solder Type<br>SH - Plastic Sealed Type | Number of Pole<br>1 - One Pole | Coil Voltage<br>3V, 5V, 6V, 9V,<br>12V, 24V, 48V | Coil Type<br>D - Standard DC Coil<br>L - High Sensitivity DC Coil | Contact Form<br>M - One Form A |    |   |   |

## Dimension:

MIT-SS/SH



BOTTOM VIEW



BOTTOM VIEW