

## Main Feature

1. The employment of suitable plastic material is applied under high temperature condition and various chemical solution.
2. Complete protective construction is designed from dust and soldering flux. Flow solder type is available for dust and soldering flux prevention. Plastic sealed type is also available for simple washing procedure.
3. 1/2 Horse Power for RUT Series is approved by UL.
4. 120VAC, 15A Tungsten (1800W) is certified by UL & CSA.

## Application

Remote Control TV receivers, monitor displays, Audio Equipment and high Inrush Current use application.

## Contact Rating

- Nominal Load (Resistive Load  $\cos \phi = 1$ )  
Contact Capacity ..... 10A at 250VAC.  
5A at 24VDC.  
TV-5 at 120VAC.  
TV-8 at 120VAC  
15A/120VAC  
Tungsten(1800W)
- Rated Carrying Current ..... 5A.  
Max. Allowable Current ..... 5A.  
Max. Allowable Voltage ..... AC 250V, DC 110V.  
Max. Allowable Power Force 1,800 VA, 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.
- Release Time ..... 5 mSec. Max.
- Dielectric Strength :  
Between Coil & Contact ..... 1,500VAC at 50/60 Hz  
for one minute.  
Between Contacts ..... 750VAC at 50/60 Hz  
for one minute.
- Surge Resistance ..... 3,000V (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 ..... -30 ~ 70°C.
- Humidity Range ..... 45 ~ 85% RH.
- Coil Temperature Rise ..... 30°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/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 11.4 g.

## Safety Standard & Its File Number

- UL ..... E141060.
- CSA ..... LR76598.
- TÜV ..... R9352326.

## 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)
RUT	3	120	25	Abt. 0.36	75% Maximum	5% Minimum	130%
	6	71	70				
	9	40	225				
	12	30	400				
	24	15	1,600				
	48	10	4,500	Abt. 0.66			

## Ordering Information

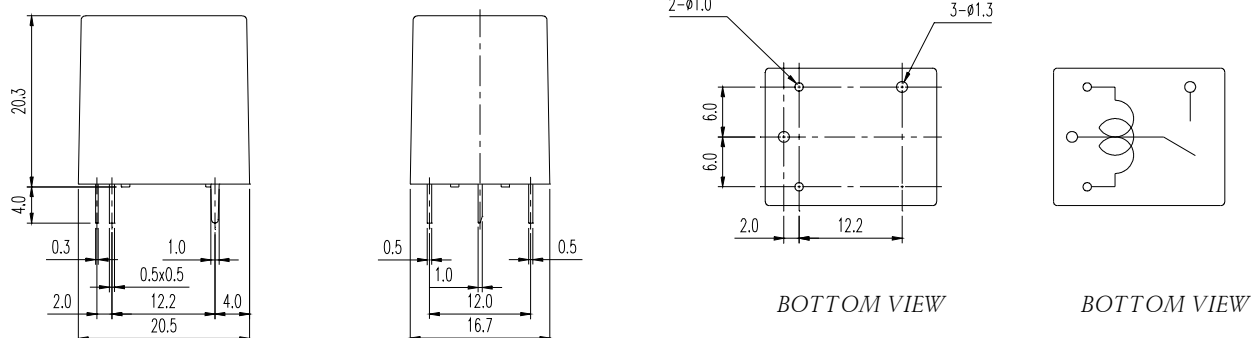
RUT - SS - 1 12 D M 1	<b>Specification:</b>	<b>Nil:</b> Standard
		<b>1:</b> TV-5
		<b>8:</b> TV-8
	<b>Contact Form:</b>	<b>M:</b> One Form A
	<b>Coil Type:</b>	<b>D:</b> Standard DC Coil
	<b>Coil Voltage:</b>	<b>03:</b> 3V, <b>06:</b> 6V, <b>09:</b> 9V, <b>12:</b> 12V, <b>24:</b> 24V, <b>48:</b> 48V
	<b>Number of Pole:</b>	<b>1:</b> One Pole
	<b>Type of Sealing:</b>	<b>SS:</b> Flow Solder Type
		<b>SH:</b> Plastic Sealed Type
	<b>Type:</b>	<b>RUT</b>

## Classification

Model	RUT		
Contact Type	Standard	TV-5	TV-8
Flow Solder Type	RUT -SS-1□□DM	RUT -SS-1□□DM1	RUT -SS-1□□DM8
Plastic Sealed Type	RUT -SH-1□□DM	RUT -SH-1□□DM1	RUT -SH-1□□DM8

## Dimension

### RUT-SS/SH



## Reference Data

