

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 Ω 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 μ Sec.)
- Insulation Resistance 100 Mega Ω 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/S² Min.
Error Operation 100 m/S² Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
Load condition.
Electrical 10⁵ Operations at Rated
Resistive Load.
2.5x10⁴ 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

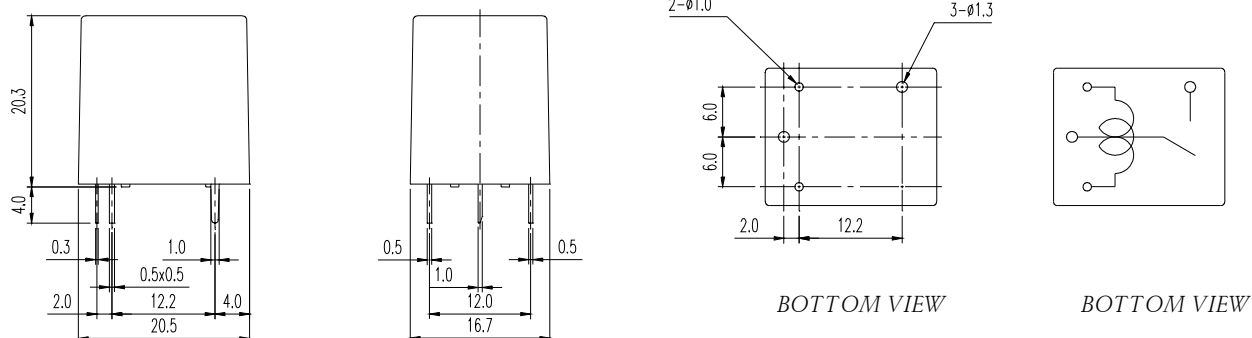
RUT - SS - 1 12 D M 1	Specification:	Nil: Standard
		1: TV-5
		8: TV-8
	Contact Form:	M: One Form A
	Coil Type:	D: Standard DC Coil
	Coil Voltage:	03: 3V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V
	Number of Pole:	1: One Pole
	Type of Sealing:	SS: Flow Solder Type
		SH: Plastic Sealed Type
	Type:	RUT

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

