



## MAIN FEATURE

1. Sugar cube relay with miniature size.
2. TV-5 120VAC with low power consumption.
3. Dielectric Strength between Coil & Contact 1,000VAC.
4. Wash tight and flux proofed type available.
5. Comply with RoHS and REACH regulations.

## CONTACT RATING

Load Type	JMT (DM)
Rated Load (Resistive)	5A 120VAC
	5A 30VDC
Contact Capacity	TV-5 120VAC
Max. Allowable Voltage	AC 120V
	DC 30V
Max. Allowable Current	5A
Max. Allowable Power Force	600VA
	150W
Contact Material	Ag Alloy
Contact Form	SPST

## APPLICATION

LCD Monitor...etc.

## PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance ..... 100mΩMax.@1A,6VDC
- Operate Time ..... 12 mSec. Max.
- Release Time ..... 6 mSec. Max.
- Dielectric Strength:
  - Between Coil & Contact ..... 1,000VAC at 50/60 Hz for one minute
  - Between Contacts ..... 500VAC at 50/60 Hz for one minute
- Surge Strength ..... 1,500V (between coil & contact 1.2x50μSec.)
- Insulation Resistance ..... 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
  - Electrical ..... 6 Cycles per Minute
  - Mechanical ..... 300 Cycles per Minute
- Temperature Range ..... -40~+55°C
- Humidity Range ..... 45~85% RH.
- Coil Temperature Rise ..... 50°C Max.

- Vibration:
  - Destruction ..... 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
  - Malfunction ..... 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
  - Destruction ..... 1,000 m/S<sup>2</sup>
  - Malfunction ..... 100 m/S<sup>2</sup>
- Life Expectancy:
  - Mechanical ..... 10<sup>7</sup> Operations at No load condition
  - Electrical ..... 10<sup>5</sup> Operations at Rated Resistive Load
- Weight ..... About 5.2 g

## SAFETY STANDARD & FILE NUMBER

- NIL.

**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)
JMT	3	180	16.7	Abt. 0.54	80% Maximum	5% Minimum	120%
	5	108	46.3				
	6	90	66.7				
	9	60	100				
	12	44.4	270				
	24	22.5	1,067				

**ORDERING INFORMATION**

**JMT - SS - 1 12 D M**

<b>Contact Form:</b>	<b>M: One Form A</b>
<b>Coil Type:</b>	<b>D: Standard DC</b>
<b>Coil Voltage:</b>	<b>03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V</b>
<b>Number of Pole:</b>	<b>1: One Pole</b>
<b>Type of Sealing:</b>	<b>SS: RT II Flux Proofed</b> <b>SH: RT III Wash Tight</b>
<b>Type:</b>	<b>JMT</b>

**CLASSIFICATION**

Model	JMT
Contact Form	1A
Flux Proofed	JMT-SS-1□□DM
Wash Tight	JMT-SH-1□□DM

**DIMENSION ( ≤ 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)**

