# G3VM-101HR 

## MOS FET Relays

# Higher power, 1.4-A switching with a 100-V load voltage, SOP package. Low $100-\mathrm{m} \Omega$ ON Resistance. 

- Continuous load current of 1.4 A. (Connection C: 2.8 A)


## RoHS compliant



## Application Examples

- Communication equipment
- Test \& Measurement equipment
- Data loggers
- Industrial equipment



## List of Models

| Package type | Contact form | Terminals | Load voltage <br> (peak value) $*$ | Model | Minimum package quantity |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1a | 100 V | G3VM-101HR |  | Number per tape and reel |
| SOP6 | (SPST-NO) |  |  | G3VM-101HR (TR) | - |

* The AC peak and DC value are given for the load voltage.
- Absolute Maximum Ratings $\left(\mathrm{Ta}=25^{\circ} \mathrm{C}\right)$


Electrical Characteristics ( $\mathrm{Ta}=25^{\circ} \mathrm{C}$ )


## Recommended Operating Conditions

Use the G3VM under the following conditions so that the Relay will operate properly.

| Item | Symbol | Minimum | Typical | Maximum | Unit |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Load voltage (AC peak/DC) | VDD | - | - | 100 | V |
| Operating LED forward current | IF | 5 | 7.5 | 20 | mA |
| Continuous load current (AC peakDC) | Io | - | - | 1.1 | A |
| Ambient operating temperature | Ta | -20 | - | 65 | ${ }^{\circ} \mathrm{C}$ |

## Engineering Data

LED forward current vs. Ambient temperature


Continuous load current vs. On-state voltage


Turn ON, Turn OFF time vs. LED forward current Turn ON, Turn OFF time vs. Ambient temperature



LED forward current vs. LED forward voltage


Trigger LED forward current vs. Ambient temperature


Current leakage vs. Load voltage


Output terminal capacitance vs. Load voltage


- Refer to "Common Precautions" for all G3VM models.


## Appearance

## SOP (Small Outline Package) <br> SOP6



Note: The actual product is marked differently from the image shown here.

Surface-mounting Terminals


## Actual Mounting Pad

Dimensions
(Recommended Value, TOP VIEW)


Note: The actual product is marked differently from the image shown here.

