New, High-capacity (2.5-A) MOS FET Relay, Ideal for Analog Signal Switching
■ Switches minute analog signals.
■ Low ON-resistance of $0.1 \Omega$ max.
■ Continuous load current of 2.5 A .

- Caution

Refer to "Common Precautions" on page 2.

## - Application Examples

- Measurement devices


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

- Security systems
- I/O for alarm
- List of Models

| Contact form | Terminals | Load voltage (peak value) | Model | Minimum packaging unit |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Number per stick | Number per tape |
| SPST-NO | PCB terminals | 60 V AC | G3VM-61BR | 50 | --- |
|  | Surface-mounting terminals |  | G3VM-61ER |  |  |
|  |  |  | G3VM-61ER(TR) | --- | 1,500 |

## - Dimensions

Note: All units are in millimeters unless otherwise indicated.

G3VM-61BR


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




G3VM-61ER


- Terminal Arrangement/Internal Connections (Top View) G3VM-61BR

G3VM-61ER


- PCB Dimensions (Bottom View) G3VM-61BR

- Actual Mounting Pad Dimensions (Recommended Value, Top View) G3VM-61ER

- Absolute Maximum Ratings ( $\mathbf{T a}=\mathbf{2 5}{ }^{\circ} \mathrm{C}$ )

- Electrical Characteristics ( $\mathbf{T a}=\mathbf{2 5}{ }^{\circ} \mathrm{C}$ )



## - Recommended Operating Conditions

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

| Item | Symbol | Minimum | Typical | Maximum | Unit |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Output dielectric strength | $\mathrm{V}_{\mathrm{DD}}$ | --- | --- | 48 | V |
| Operating LED forward current | $\mathrm{I}_{\mathrm{F}}$ | 10 | --- | 20 | mA |
| Continuous load current | $\mathrm{I}_{\mathrm{O}}$ | --- | --- | 2,500 | mA |
| Operating temperature | $\mathrm{T}_{\mathrm{a}}$ | 25 | --- | 60 | ${ }^{\circ} \mathrm{C}$ |

- Engineering Data

Load Current vs. Ambient Temperature G3VM-61BR/ER


