

High Current & Low On Resistance Type MOS FET Relay

G3VM-101HR2

Higher capacity

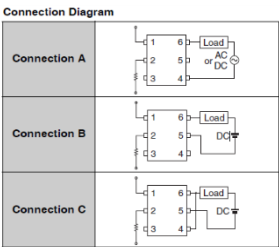
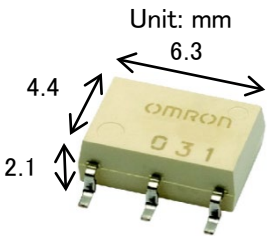
Max. continuous load current 3A (C connection : 6A)
50% improve vs. existing model
Support smaller size & higher capacity of applications

Better switching speed

Max Turn-ON time 2.0ms, Max. Turn-Off time 0.5ms
Half switching speed vs. existing model
Support better productivity of applications by better switching speed

High temperature

Max. ambient operating temp. 110°C
Better spec. for high temp vs. existing model, 85°C
Support customers' better choice for thermal design



Product Spec.

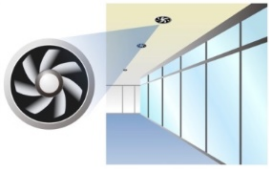
| | | New | | Existing |
|--|---------------|---------------|---|--------------|
| | | G3VM-101HR2 | | G3VM-101HR1 |
| Package | | SOP6 | | SOP6 |
| Contact form | | 1a (SPST-NO) | | 1a (SPST-NO) |
| Load voltage (Max.) | | 100V | | 100V |
| Continuous load current (Max.) | Connection A* | 3A | ← | 2A |
| | Connection B* | | | |
| | Connection C* | 6A | ← | 4A |
| Maximum resistance with output ON (Max.) | Connection A* | 0.065Ω | ← | 0.07 Ω |
| | Connection B* | 0.033Ω | ← | 0.035 Ω |
| | Connection C* | 0.016Ω | ← | 0.018 Ω |
| Capacitance between terminals (Typ.) | | 460pF | ← | 500pF |
| Trigger LED forward current (Max.) | | 3mA | | 3mA |
| Turn-ON time (Max.) | | 2ms | ← | 5ms |
| Turn-OFF time (Max.) | | 0.5ms | ← | 1ms |
| Dielectric strength between I/O (Max.) | | 1500Vrms | | 1500Vrms |
| Ambient operating temperature | | -40 ~ +110 °C | ← | -40 ~ +85 °C |

← : Better spec.

Application Examples

Building automation

Air conditioning control etc.



FA (I/O control)



ATE/

Test equipment

