

High Current & Low On Resistance Type MOS FET Relay

G3VM-101HR2

Higher capacity

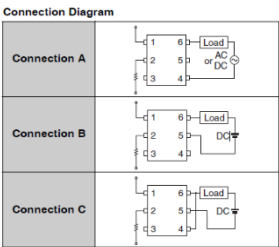
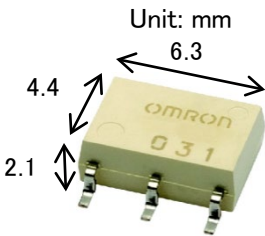
Max. continuous load current 3A (C connection : 6A)
50% improve vs. existing model
Support smaller size & higher capacity of applications

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

