


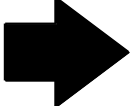
NO: REL - 205	PRODUCT: G3VM-61GR1 MOSFET Relay
DATE: May 2018	TYPE: DISCONTINUATION - Streamline Product Offering

G3VM-61GR1 MOSFET Relay - DISCONTINUATION

In an effort to streamline our product offering and focus on popular models of Omron’s line of MOSFET Relay, OMRON will discontinue the G3VM-61GR1 / TR Relay model in March 2019. The suggested replacement will be our G3VM-61VR / VR(TR) / VR(TR05). Please carefully read through this notification and note the differences. The following details will fully explain the discontinuation and suggested replacement considerations; should you have any additional questions, however, please communicate with the Relay Product Manager.

LAST Order date (Last Time Buy Date)

August 31, 2018



<p>Product Discontinuation</p> <p>MOSFET Relay</p> <p> Model G3VM-61GR1 Model G3VM-61GR1 (TR)</p>		<p>Suggested Replacement</p> <p>MOSFET Relay</p> <p>Model G3VM-61VR Model G3VM-61VR(TR) Model G3VM-61VR(TR05)</p> <p>*Note: New product introduction expected June, 2018</p>
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G3VM-61GR1 Recommended Replacement – Differences from discontinued product:

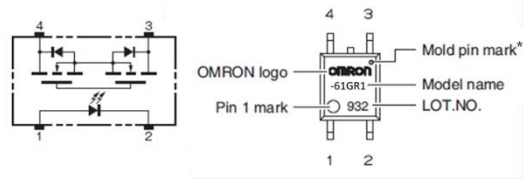
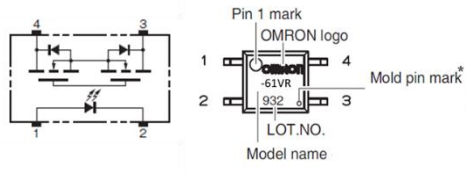
Recommended replacement Model	Body Color	Dimen -sions	Wire connection	Mounting Dimensions	Charact - eristics	Operation ratings	Operation methods
G3VM-61VR G3VM-61VR(TR) G3VM-61VR(TR05)	--	*	**	**	*	*	**

- ** : Compatible
- * : The change is a little/Almost compatible
- : Not compatible
- : No corresponding specification

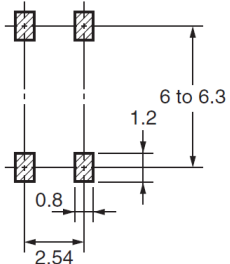
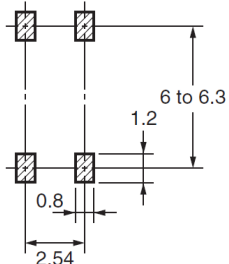
Body color:

Product discontinuation Model G3VM-61GR1/61GR1(TR)	Recommended replacement Model G3VM-61VR/61VR(TR)/61VR(TR05)
<p>Ivory</p> 	<p>Black</p> 

Wire connection:

Product discontinuation Model G3VM-61GR1/61GR1(TR)	Recommended replacement Model G3VM-61VR/61VR(TR)/61VR(TR05)
<p>Internal Connections / Terminal Arrangement</p>  <p>*The indentation in the corner diagonally opposite from the pin 1 mark is due to a pin on the mold.</p>	<p>Internal Connections / Terminal Arrangement</p>  <p>*The indentation in the corner diagonally opposite from the pin 1 mark is due to a pin on the mold.</p>

Mounting dimensions:

Product discontinuation Model G3VM-61GR1/61GR1(TR)	Recommended replacement Model G3VM-61VR/61VR(TR)/61VR(TR05)
<p>Mounting dimensions (TOP VIEW) Tolerance ± 0.1mm</p> 	<p>Mounting dimensions (TOP VIEW) Tolerance ± 0.1mm</p> 

Dimensions:

Product discontinuation Model G3VM-61GR1/61GR1(TR)	Recommended replacement Model G3VM-61VR/61VR(TR)/61VR(TR05)
Package type: SOP4 Surface mounting Terminal 	Package type: SOP4 Surface mounting Terminal

Characteristics / Operation ratings:

Item	Product Discontinuation Model G3VM-61GR1 Model G3VM-61GR1(TR)	Recommended replacement Model G3VM-61VR Model G3VM-61VR(TR) Model G3VM-61VR(TR05)
Absolute maximum Rating		
Symbol		
Unit		
Input		
LED forward current *	I_F	mA
Repetitive peak LED forward current	I_{FP}	A
LED reverse voltage	V_R	V
Output		
Load Voltage(AC/DC)	V_{OFF}	V
Continuous load current	I_O	mA
Dielectric strength between input and output*	V_{I-O}	Vrms
Operating Temperature*	T_a	°C
Storage Temperature	T_{stg}	°C
Electrical Characteristics		
Symbol		
Unit		
Input		
LED Forward voltage *	V_F	V
Trigger LED Forward Current *	I_{FT}	mA
Release LED Forward Current	I_{FC}	mA
Output		
Maximum resistance with output ON*	R_{ON}	Ω
Current leakage when the relay is open	I_{LEAK}	A
Capacity between I/O terminals	C_{I-O}	pF
Insulation resistance between I/O terminals	R_{I-O}	M Ω
Turn-ON time*	t_{ON}	ms
Turn-OFF time*	t_{OFF}	ms
*Denotes differences in characteristics		

Rating		
50		
1		
5		
60		
1000		
1500		
-40 ~ + 85		
-55 ~ + 125		
Min.	Typ.	Max
1	1.15	1.3
-	1	3
0.1	-	-
-	0.25	0.7
-	0.0002 μ	0.1 μ
-	0.8	-
1000	10 ⁻⁸	-
-	1.4	3
-	0.6	1

Rating		
50		
1		
6		
60		
1400		
3750		
-40 ~ + 110		
-55 ~ + 125		
Min.	Typ.	Max
1.1	1.27	1.4
-	1	3
0.1	-	-
-	0.13	0.25
-	0.002 μ	1 μ
-	0.8	-
1000	10 ⁻⁸	-
-	2	3
-	0.1	0.5

* Sales teams should communicate this discontinuation with their OEM's and CEM's.
 For further technical support and any questions, please communicate with Product Marketing.

Specifications in this product news are as of the issue date and are subject to change without notice.
 Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.
 This PCN is intended for use in the Americas
 Last time buy dates are subject to change based on availability