

NO: REL - 214	PRODUCT: Multiple G3VM – MOS FET Relays
DATE: May 2019	TYPE: Discontinuation – Streamline Product Offering

Multiple G3VM MOS FET Relays – DISCONTINUATION

In an effort to streamline our product offering and focus on popular models of Omron’s line of MOS FET Relays, OMRON will discontinue multiple G3VM MOS FET models at the end of February 2020. The suggested replacements are listed below. 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)

February 28, 2020

Discontinued Model		Suggested Replacement
MOS FET Relays		MOS FET Relays
Model G3VM-2	➔	Model G3VM-351A
Model G3VM-2F		Model G3VM-351D
Model G3VM-2F(TR)		Model G3VM-351D(TR)
Model G3VM-3	➔	Model G3VM-351B
Model G3VM-3F		Model G3VM-351E
Model G3VM-3F(TR)		Model G3VM-351E(TR05)
Model G3VM-V	➔	Model G3VM-61B1
Model G3VM-VF		Model G3VM-61E1
Model G3VM-VF(TR)		Model G3VM-61E1(TR)
Model G3VM-XN	➔	Model G3VM-61B1
Model G3VM-XNF		Model G3VM-61E1
Model G3VM-XNF(TR)		Model G3VM-61E1(TR)
Model G3VM-4N	➔	Model G3VM-401B
Model G3VM-W		Model G3VM-352C
Model G3VM-WF		Model G3VM-352F
Model G3VM-WF(TR)		Model G3VM-352F(TR)

Model **G3VM-S2**
 Model **G3VM-S2(TR)**

Model **G3VM-351VY**
 Model **G3VM-351VY (TR) OR**
 Model **G3VM-351VY (TR05)**



Model **G3VM-S1**
 Model **G3VM-S1(TR)**



Model **G3VM-61VY3**
 Model **G3VM-351VY (TR) OR**
 Model **G3VM-351VY (TR05)**

Model **G3VM-SY**
 Model **G3VM-SY(TR)**

Model **G3VM-62J1**
 Model **G3VM-62J1(TR)**

Differences from discontinued product:

Please Note: Body color, dimensions, and electrical characteristics have slight differences. Internal connections, mounting dimensions, and operation methods are fully compatible.

Suggested Replacement Models	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charact-eristics	Operation ratings	Operation methods
G3VM-351A G3VM-351D G3VM-351D(TR)	**	**	**	**	*	*	**
G3VM-351B G3VM-351E G3VM-351E(TR)	**	**	**	**	*	*	**
G3VM-61B1 G3VM-61E1 G3VM-61E1(TR)	**	**	**	**	*	*	**
G3VM-401B	**	**	**	**	*	*	**
G3VM-352C G3VM-352F G3VM-352F(TR)	**	**	**	**	*	*	**
G3VM-351VY G3VM-351VY(TR) G3VM-351VY(TR05)	--	*	**	**	*	*	**
G3VM-61VY3 G3VM-61VY3(TR) G3VM-61VY3(TR05)	--	*	**	**	*	*	**
G3VM-62J1 G3VM-62J1(TR)	**	**	**	**	*	*	**

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

Discontinued Models and Suggested replacement:

Discontinued Models	Suggested replacements
G3VM-2	G3VM-351A
G3VM-2F	G3VM-351D
G3VM-2F(TR)	G3VM-351D(TR)
G3VM-3	G3VM-351B
G3VM-3F	G3VM-351E
G3VM-3F(TR)	G3VM-351E(TR)
G3VM-V	G3VM-61B1
G3VM-VF	G3VM-61E1
G3VM-VF(TR)	G3VM-61E1(TR)
G3VM-XN	G3VM-61B1
G3VM-XNF	G3VM-61E1
G3VM-XNF(TR)	G3VM-61E1(TR)
G3VM-4N	G3VM-401B
G3VM-W	G3VM-352C
G3VM-WF	G3VM-352F
G3VM-WF(TR)	G3VM-352F(TR)
G3VM-S2	G3VM-351VY
G3VM-S2(TR)	G3VM-351VY(TR)
	G3VM-351VY(TR05)
G3VM-S1	G3VM-61VY3
G3VM-S1(TR)	G3VM-61VY3(TR)
	G3VM-61VY3(TR05)
G3VM-SY	G3VM-62J1
G3VM-SY(TR)	G3VM-62J1(TR)

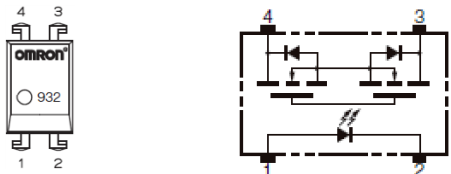
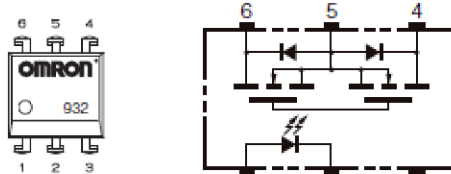
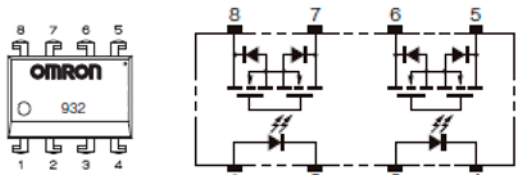
Body color:

Discontinued Models	Suggested Replacements
G3VM-2/-2F/-2F(TR) G3VM-3/-3F/-3F(TR) G3VM-V/-VF/-VF(TR) G3VM-XN/-XNF/-XNF(TR) G3VM-4N G3VM-W/-WF/-WF(TR) G3VM-SY/-SY(TR)	G3VM-351A/-351D/-351D(TR) G3VM-351B/-351E/-351E(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-401B G3VM-352C/-352F/-352F(TR) G3VM-62J1/-62J1(TR)
Ivory	Ivory (No change)

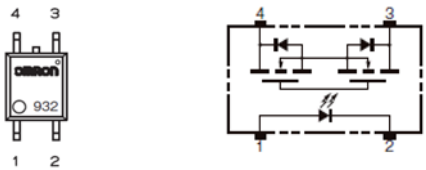

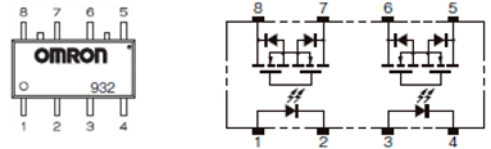
Body color:

Discontinued Models	Suggested Replacements
G3VM-S2/-S2(TR) G3VM-S1/-S1(TR)	G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)
Ivory	Black

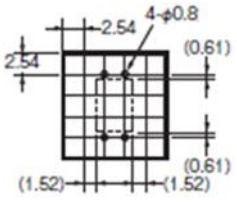
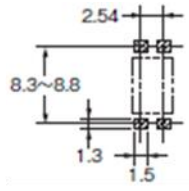
Wire connection:

Discontinued Models G3VM-2/-2F/-2F(TR)	Suggested Replacements G3VM-351A/-351D/-351D(TR05)
DIP4 (SPST-NO contact type) 	DIP4 (SPST-NO contact type) Same
Discontinued Models G3VM-3/-3F/-3F(TR) G3VM-V/-VF/-VF(TR) G3VM-XN/-XNF/-XNF(TR) G3VM-4N	Suggested Replacements G3VM-351A/-351D/-351D(TR05) G3VM-61B1/-61E1/-61E1(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-401B
DIP6 (SPST-NO contact type) 	DIP6 (SPST-NO contact type) Same
Discontinued Models G3VM-W/-WF/-WF(TR)	Suggested Replacements G3VM-352C/-352F/-352F(TR)
DIP8 (DPST-NO contact type) 	DIP8 (DPST-NO contact type) Same

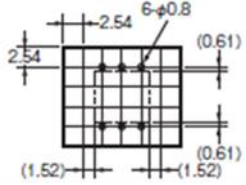
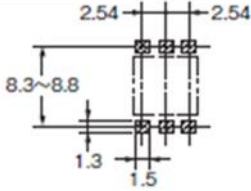
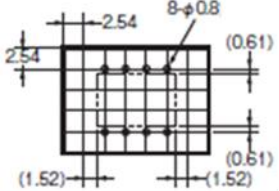
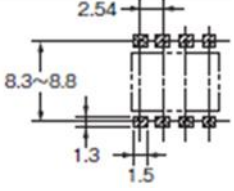
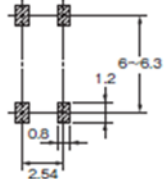
Wire connection (Continued):

Discontinued Models G3VM-S2/-S2(TR) G3VM-S1/-S1(TR)		Suggested Replacements G3VM-351VY/-351VY(TR05) G3VM-61VY3/-61VY3(TR)	
SOP4 (SPST-NO contact type) 		Special SOP4 (SPST-NO contact type)  Same	
Discontinued Models G3VM-SY/-SY(TR)		Suggested Replacements G3VM-62J1/-62J1(TR)	
SOP8 (DPST-NO contact type) 		SOP8 (DPST-NO contact type) Same	

Mounting Dimensions:

Discontinued Models G3VM-2/-2F/-2F(TR)		Suggested Replacements G3VM-351A/-351D/-351D(TR)	
DIP4 (SPST-NO contact type)		DIP4 (SPST-NO contact type)	
G3VM-2 Bottom View 	G3VM-2F/-2F(TR) Top View 	Same	Same

Mounting dimensions (Continued):

<p>Discontinued Models G3VM-3/-3F/-3F(TR) G3VM-V/-VF/-VF(TR) G3VM-XN/-XNF/-XNF(TR) G3VM-4N</p>		<p>Suggested Replacements G3VM-351B/-351E/-351E(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-401B</p>	
<p>DIP6 (SPST-NO contact type)</p>		<p>DIP6(SPST-NO contact type)</p>	
<p>G3VM-3 G3VM-V G3VM-XN G3VM-4N Bottom View</p> 	<p>G3VM-3F/-3F(TR) G3VM-VF/-VF(TR) G3VM-XNF/-XNF(TR) Top View</p> 	<p>G3VM-351B G3VM-61B1 G3VM-401B Same</p>	<p>G3VM-351E/-351E(TR) G3VM-61E1/-61E1(TR) Same</p>
<p>Discontinued Models Model G3VM-W/-WF/-WF(TR)</p>		<p>Suggested Replacements Model G3VM-352C/-352F/-352F(TR)</p>	
<p>DIP8 (DPST-NO contact type)</p>		<p>DIP8 (DPST-NO contact type)</p>	
<p>G3VM-W Bottom View</p> 	<p>G3VM-WF/-WF(TR) Top View</p> 	<p>G3VM-352C Same</p>	<p>G3VM-352F/-352F(TR) Same</p>
<p>Discontinued Models G3VM-S2/-S2(TR) G3VM-S1/-S1(TR)</p>		<p>Suggested Replacements G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)</p>	
<p>SOP4 (SPST-NO contact type)</p>		<p>Special SOP4 (SPST-NO contact type)</p>	
<p>G3VM-S2/-S2(TR) G3VM-S1/-S1(TR) Top View</p> 		<p>G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05) Same</p>	

Mounting dimensions (Continued):

Discontinued Models G3VM-SY/-SY(TR)	Suggested Replacements G3VM-62J1/-62J1(TR)
SOP8 (DPST-NO contact type)	SOP8 (DPST-NO contact type)
<p>Top View</p> <p>G3VM-SY/-SY(TR)</p>	<p>G3VM-62J1/-62J1(TR)</p> <p>Same</p>

Dimensions:

Discontinued Models G3VM-2/-2F/-2F(TR)		Suggested Replacements G3VM-351A/-351D/-351D(TR)	
DIP4 (SPST-NO contact type)		DIP4 (SPST-NO contact type)	
<p>G3VM-2</p>	<p>G3VM-2F/-2F(TR)</p>	<p>G3VM-351A</p> <p>Same</p>	<p>G3VM-351D/-351D(TR)</p> <p>Same</p>
Discontinued Models G3VM-3/-3F/-3F(TR) G3VM-V/-VF/-VF(TR) G3VM-XN/-XNF/-XNF(TR) G3VM-4N		Suggested Replacements G3VM-351B/-351E/-351E(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-401B	
DIP6 (SPST-NO contact type)		DIP6 (SPST-NO contact type)	
<p>G3VM-3 G3VM-V G3VM-XN G3VM-4N</p>	<p>G3VM-3F/-3F(TR) G3VM-VF/-VF(TR) G3VM-XNF/-XNF(TR)</p>	<p>G3VM-351B G3VM-61B1 G3VM-401B</p> <p>Same</p>	<p>G3VM-351E/-351E(TR) G3VM-61E1/-61E1(TR)</p> <p>Same</p>

Dimensions (Continued):

Discontinued Models G3VM-W/-WF/-WF(TR)		Suggested Replacements G3VM-352C/-352F/-352F(TR)	
DIP8 (DPST-NO contact type)		DIP8 (DPST-NO contact type)	
<p>G3VM-W</p>	<p>G3VM-WF/-WF(TR)</p>	<p>G3VM-352C</p> <p>Same</p>	<p>G3VM-352F/-352F(TR)</p> <p>Same</p>
Discontinued Models G3VM-S2/-S2(TR) G3VM-S1/-S1(TR)		Suggested Replacements G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)	
SOP4 (SPST-NO contact type)		Special SOP4 (SPST-NO contact type)	
<p>G3VM-S2/-S2(TR) G3VM-S1/-S1(TR)</p>	<p>G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)</p>		
Discontinued Models Model G3VM-SY/-SY(TR)		Suggested Replacements Model G3VM-62J1/-62J1(TR)	
SOP8 (DPST-NO contact type)		SOP8 (DPST-NO contact type)	
<p>G3VM-SY/-SY(TR)</p>	<p>G3VM-62J1/-62J1(TR)</p> <p>Same</p>		

Characteristics:

Item				Product Discontinuation (Model)			Recommended Replacement (Model)				
				G3VM-2	G3VM-2F G3VM-2F(TR)		G3VM-351A	G3VM-351D G3VM-351D(TR)			
Type											
Package				DIP4			DIP4				
Contact form				1a(SPST-NO)			1a(SPST-NO)				
Terminal structure				PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals			
Absolute maximum Rating				Symbol	Unit	Rating			Rating		
Input	LED forward current			I_F	mA	50			50		
	LED reverse voltage			V_R	V	5			5		
Output	Load Voltage(AC/DC)			V_{OFF}	V	350			350		
	Continuous load current	Connection A		I_O	mA	120			120		
		Connection B				-			-		
Connection C		-				-					
Dielectric strength between input and output				V_{I-O}	Vrms	2500			2500		
Operating Temperature				T_a	°C	-20	~	+ 85	-40	~ + 85	
Storage Temperature				T_{stg}	°C	-55	~	+ 100	-55	~ + 125	
Electrical Characteristics				Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage			V_F	V	1	1.15	1.3	1.1	1.15	1.3
	Trigger LED Forward Current			I_{FT}	mA	-	2	3	-	1	3
Output	Maximum resistance with output ON	Connection A		R_{ON}	Ω	-	22	35	-	35	50
		Connection B				-	-	-	-	-	-
		Connection C				-	-	-	-	-	-
Current leakage when the relay is open				I_{LEAK}	uA	-	-	1	-	-	1
Capacity between I/O terminals				C_{I-O}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals				R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-
Turn-ON time				t_{ON}	ms	-	-	1	-	0.3	1
Turn-OFF time				t_{OFF}	ms	-	-	1	-	0.1	1

Characteristics:

Item				Product Discontinuation (Model)			Recommended Replacement (Model)				
				G3VM-3	G3VM-3F G3VM-3F(TR)		G3VM-351B	G3VM-351E G3VM-351E(TR)			
Type											
Package				DIP6			DIP6				
Contact form				1a(SPST-NO)			1a(SPST-NO)				
Terminal structure				PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals			
Absolute maximum Rating				Symbol	Unit	Rating			Rating		
Input	LED forward current			I_F	mA	50			50		
	LED reverse voltage			V_R	V	5			5		
Output	Load Voltage(AC/DC)			V_{OFF}	V	350			350		
	Continuous load current	Connection A		I_O	mA	120			120		
		Connection B				120			120		
Connection C		160				240					
Dielectric strength between input and output				V_{I-O}	Vrms	2500			2500		
Operating Temperature				T_a	°C	-20 ~ + 85			-40 ~ + 85		
Storage Temperature				T_{stg}	°C	-55 ~ + 100			-55 ~ + 125		
Electrical Characteristics				Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage			V_F	V	1	1.15	1.3	1.1	1.15	1.3
	Trigger LED Forward Current			I_{FT}	mA	-	-	3	-	1	3
Output	Maximum resistance with output ON	Connection A		R_{ON}	Ω	-	22	35	-	35	50
		Connection B				-	16	23	-	28	40
		Connection C				-	8	12	-	14	20
Current leakage when the relay is open				I_{LEAK}	uA	-	-	1	-	-	1
Capacity between I/O terminals				C_{I-O}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals				R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-
Turn-ON time				t_{ON}	ms	-	-	1	-	0.3	1
Turn-OFF time				t_{OFF}	ms	-	-	1	-	0.1	1

Characteristics:

Item				Product Discontinuation (Model)			Recommended Replacement (Model)				
				G3VM-V	G3VM-VF G3VM-VF(TR)		G3VM-61B1	G3VM-61E1 G3VM-61E1(TR)			
Type											
Package				DIP6			DIP6				
Contact form				1a(SPST-NO)			1a(SPST-NO)				
Terminal structure				PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals			
Absolute maximum Rating				Symbol	Unit	Rating		Rating			
Input	LED forward current			I_F	mA	50		50			
	LED reverse voltage			V_R	V	5		5			
Output	Load Voltage(AC/DC)			V_{OFF}	V	60		60			
	Continuous load current	Connection A		I_o	mA	300		500			
		Connection B				450		500			
Connection C		600				1000					
Dielectric strength between input and output				V_{I-O}	Vrms	2500		2500			
Operating Temperature				T_a	°C	-20	~	+ 85	-40	~	+ 85
Storage Temperature				T_{stg}	°C	-55	~	+ 100	-55	~	+ 125
Electrical Characteristics				Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage			V_F	V	1	1.15	1.3	1.1	1.15	1.3
	Trigger LED Forward Current			I_{FT}	mA	-	1	5	-	1.6	3
Output	Maximum resistance with output ON	Connection A		R_{ON}	Ω	-	1.4	2	-	1	2
		Connection B				-	0.7	1	-	0.5	1
		Connection C				-	0.35	0.5	-	0.25	-
Current leakage when the relay is open				I_{LEAK}	uA	-	-	1	-	-	1
Capacity between I/O terminals				C_{I-O}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals				R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-
Turn-ON time				t_{ON}	ms	-	-	1	-	0.8	2
Turn-OFF time				t_{OFF}	ms	-	-	1	-	0.1	0.5

Characteristics:

Item				Product Discontinuation (Model)			Recommended Replacement (Model)				
				G3VM-XN	G3VM-XNF G3VM-XNF(TR)		G3VM-61B1	G3VM-61E1 G3VM-61E1(TR)			
Type											
Package				DIP6			DIP6				
Contact form				1a(SPST-NO)			1a(SPST-NO)				
Terminal structure				PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals			
Absolute maximum Rating				Symbol	Unit	Rating			Rating		
Input	LED forward current			I_F	mA	30			50		
	LED reverse voltage			V_R	V	5			5		
Output	Load Voltage(AC/DC)			V_{OFF}	V	60			60		
	Continuous load current	Connection A		I_O	mA	300			500		
		Connection B				450			500		
Connection C		600				1000					
Dielectric strength between input and output				V_{I-O}	Vrms	2500			2500		
Operating Temperature				T_a	°C	-40	~	+ 85	-40	~	+ 85
Storage Temperature				T_{stg}	°C	-55	~	+ 125	-55	~	+ 125
Electrical Characteristics				Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage			V_F	V	1.2	1.4	1.7	1.1	1.15	1.3
	Trigger LED Forward Current			I_{FT}	mA	-	-	5	-	1.6	3
Output	Maximum resistance with output ON*	Connection A		R_{ON}	Ω	-	1.4	2	-	1	2
		Connection B				-	0.7	1	-	0.5	1
		Connection C				-	0.35	0.5	-	0.25	-
Current leakage when the relay is open				I_{LEAK}	uA	-	-	1	-	-	1
Capacity between I/O terminals				C_{I-O}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals				R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-
Turn-ON time				t_{ON}	ms	-	0.2	0.5	-	0.8	2
Turn-OFF time				t_{OFF}	ms	-	0.2	0.5	-	0.1	0.5

Characteristics:

Item		Product Discontinuation (Model)			Recommended Replacement (Model)					
		G3VM-4N			G3VM-401B					
Type										
Package		DIP6			DIP6					
Contact form		1a(SPST-NO)			1a(SPST-NO)					
Terminal structure		PCB Terminals			PCB Terminals					
Absolute maximum Rating		Symbol	Unit	Rating		Rating				
Input	LED forward current	I_F	mA	30		50				
	LED reverse voltage	V_R	V	5		5				
Output	Load Voltage(AC/DC)	V_{OFF}	V	400		60				
	Continuous load current	Connection A	I_O	mA	150		500			
		Connection B			200		500			
		Connection C			300		1000			
Dielectric strength between input and output		V_{I-O}	Vrms	2500		2500				
Operating Temperature		T_a	°C	-40 ~ +85		-40 ~ +85				
Storage Temperature		T_{stg}	°C	-55 ~ +125		-55 ~ +125				
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max	
Input	LED Forward voltage	V_F	V	1.2	1.4	1.7	1.1	1.15	1.3	
	Trigger LED Forward Current	I_{FT}	mA	-	1	5	-	1.6	3	
Output	Maximum resistance with output ON*	Connection A	R_{ON}	Ω	-	8	12	-	1	2
		Connection B			-	4	6	-	0.5	1
		Connection C			-	2	3	-	0.25	-
Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	-	1	
Capacity between I/O terminals		C_{I-O}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-	
Turn-ON time		t_{ON}	ms	-	0.3	1	-	0.8	2	
Turn-OFF time		t_{OFF}	ms	-	0.3	1	-	0.1	0.5	

Characteristics:

Item				Product Discontinuation (Model)			Recommended Replacement (Model)			
				G3VM-W	G3VM-WF G3VM-WF(TR)		G3VM-352C	G3VM-352F G3VM-352F(TR)		
Type										
Package				DIP8			DIP8			
Contact form				2a(DPST-NO)			2a(DPST-NO)			
Terminal structure				PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals		
Absolute maximum Rating				Symbol	Unit		Rating			
Input	LED forward current			I_F	mA		50			
	LED reverse voltage			V_R	V		5			
Output	Load Voltage(AC/DC)			V_{OFF}	V		350			
	Continuous load current	Connection A		I_O	mA	120				
		Connection B				-				
Connection C		-								
Dielectric strength between input and output				V_{I-O}	Vrms		2500			
Operating Temperature				T_a	°C		-20 ~ + 85			
Storage Temperature				T_{stg}	°C		-55 ~ + 100			
Electrical Characteristics				Symbol	Unit		Min.	Typ.	Max	
Input	LED Forward voltage			V_F	V		1	1.15	1.3	
	Trigger LED Forward Current			I_{FT}	mA		-	2	3	
Output	Maximum resistance with output ON*	Connection A		R_{ON}	Ω	-	22	35	-	
		Connection B				-	-	-	-	-
		Connection C				-	-	-	-	-
Current leakage when the relay is open				I_{LEAK}	uA		-	-	1	
Capacity between I/O terminals				C_{I-O}	pF		-	0.8	-	
Insulation resistance between I/O terminals				R_{I-O}	M Ω		1000	10 ⁸	-	
Turn-ON time				t_{ON}	ms		-	-	1	
Turn-OFF time				t_{OFF}	ms		-	-	1	

Characteristics:

Item		Product Discontinuation (Model)			Recommended Replacement (Model)					
		G3VM-S2 G3VM-S2(TR)			G3VM-351VY G3VM-351VY(TR) G3VM-351VY(TR05)					
Type										
Package		SOP4			Special SOP4					
Contact form		1a(SPST-NO)			1a(SPST-NO)					
Terminal structure		Surface-mounting Terminals			Surface-mounting Terminals					
Absolute maximum Rating		Symbol	Unit	Rating			Rating			
Input	LED forward current	I_F	mA	50			30			
	LED reverse voltage	V_R	V	5			6			
Output	Load Voltage(AC/DC)	V_{OFF}	V	350			350			
	Continuous load current	Connection A	I_O	mA	120			110		
		Connection B			-			-		
		Connection C			-			-		
Dielectric strength between input and output		V_{I-O}	Vrms	1500			3750			
Operating Temperature		T_a	°C	-40 ~ + 85			-40 ~ + 110			
Storage Temperature		T_{stg}	°C	-55 ~ + 125			-55 ~ + 125			
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max	
Input	LED Forward voltage	V_F	V	1	1.15	1.3	1.1	1.27	1.4	
	Trigger LED Forward Current	I_{FT}	mA	-	1	3	-	0.8	3	
Output	Maximum resistance with output ON*	Connection A	R_{ON}	Ω	-	22	35	-	35	50
		Connection B			-	-	-	-	-	-
		Connection C			-	-	-	-	-	-
Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	-	1	
Capacity between I/O terminals		C_{I-O}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{I-O}	M Ω	1000	10 ⁸	-	1000	10 ⁸	-	
Turn-ON time		t_{ON}	ms	-	0.3	1	-	0.5	1	
Turn-OFF time		t_{OFF}	ms	-	0.1	1	-	0.1	0.5	

Characteristics:

Item		Product Discontinuation (Model)			Recommended Replacement (Model)					
		G3VM-S1 G3VM-S1(TR)			G3VM-61VY3 G3VM-61VY3(TR) G3VM-61VY3(TR05)					
Type										
Package		SOP4			Special SOP4					
Contact form		1a(SPST-NO)			1a(SPST-NO)					
Terminal structure		Surface-mounting Terminals			Surface-mounting Terminals					
Absolute maximum Rating		Symbol	Unit	Rating		Rating				
Input	LED forward current	I_F	mA	50		30				
	LED reverse voltage	V_R	V	5		6				
Output	Load Voltage(AC/DC)	V_{OFF}	V	60		60				
	Continuous load current	Connection A	I_o	mA	400		700			
		Connection B			-		-			
		Connection C			-		-			
Dielectric strength between input and output		V_{I-O}	Vrms	1500		3750				
Operating Temperature		T_a	°C	-40 ~ + 85		-40 ~ + 110				
Storage Temperature		T_{stg}	°C	-55 ~ + 125		-55 ~ + 125				
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max	
Input	LED Forward voltage	V_F	V	1	1.15	1.3	1.1	1.27	1.4	
	Trigger LED Forward Current	I_{FT}	mA	-	1	3	-	1	3	
Output	Maximum resistance with output ON*	Connection A	R_{ON}	Ω	-	1	2	-	0.15	2
		Connection B			-	-	-	-	-	-
		Connection C			-	-	-	-	-	-
Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	0.002	1	
Capacity between I/O terminals		C_{I-O}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-	
Turn-ON time		t_{ON}	ms	-	0.6	2	-	2	3	
Turn-OFF time		t_{OFF}	ms	-	0.1	1	-	0.1	0.5	

Characteristics:

Item		Product Discontinuation (Model)			Recommended Replacement (Model)					
		G3VM-SY G3VM-SY(TR)			G3VM-62J1 G3VM-62J1(TR)					
Type										
Package		SOP8			SOP8					
Contact form		2a(DPST-NO)			2a(DPST-NO)					
Terminal structure		Surface-mounting Terminals			Surface-mounting Terminals					
Absolute maximum Rating		Symbol	Unit	Rating		Rating				
Input	LED forward current	I_F	mA	50		50				
	LED reverse voltage	V_R	V	5		5				
Output	Load Voltage(AC/DC)	V_{OFF}	V	60		60				
	Continuous load current	Connection A	I_O	mA	300		400			
		Connection B			-		-			
		Connection C			-		-			
Dielectric strength between input and output		V_{I-O}	Vrms	1500		1500				
Operating Temperature		T_a	°C	-20 ~ + 85		-40 ~ + 85				
Storage Temperature		T_{stg}	°C	-55 ~ + 125		-55 ~ + 125				
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max	
Input	LED Forward voltage	V_F	V	1	1.15	1.3	1	1.15	1.3	
	Trigger LED Forward Current	I_{FT}	mA	-	-	3	-	1	3	
Output	Maximum resistance with output ON*	Connection A	R_{ON}	Ω	-	1.4	2	-	1	2
		Connection B			-	-	-	-	-	-
		Connection C			-	-	-	-	-	-
Current leakage when the relay is open		I_{LEAK}	μA	-	-	1	-	-	1	
Capacity between I/O terminals		C_{I-O}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{I-O}	M Ω	1000	10^8	-	1000	10^8	-	
Turn-ON time		t_{ON}	ms	-	-	2	-	0.8	2	
Turn-OFF time		t_{OFF}	ms	-	-	1	-	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.

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