

Product Discontinuation

MOS FET Relay

**Model G3VM-61A1
Model G3VM-61D1
Model G3VM-61D1(TR)****Recommended Replacement**

MOS FET Relay

**Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-61B
Model G3VM-61E
Model G3VM-61E(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-61B1
Model G3VM-61E1
Model G3VM-61E1(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-62C1
Model G3VM-62F1
Model G3VM-62F1(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)
Use 2 pcs. each****Model G3VM-351A
Model G3VM-351D
Model G3VM-351D(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)****Model G3VM-351B
Model G3VM-351E
Model G3VM-351E(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)****Model G3VM-352C
Model G3VM-352F
Model G3VM-352F(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)
Use 2 pcs. each****Model G3VM-401A
Model G3VM-401D
Model G3VM-401D(TR)****Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)**

Product Discontinuation

MOS FET Relay

Model G3VM-401B
Model G3VM-401E
Model G3VM-401E(TR)



Recommended Replacement

MOS FET Relay

Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)



Model G3VM-402C
Model G3VM-402F
Model G3VM-402F(TR)

Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)
Use 2 pcs. each

[Final order entry date]

End of December, 2023

[Date of The Last Shipping]

End of March, 2024

[Caution on recommended replacement]

Some products differ in body color, dimensions, wire connection and mounting dimensions, but characteristics, operation ratings and operation methods are almost compatible.

Since the G3VM-□C□/F□/□(TR) product is the 2a type, please use two recommended replacement 1a type products.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Recommendation against Model G3VM-61A1/D1/D1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	**	**	**	*	*	**
Recommendation against Model G3VM-61B/E/E(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-61B1/E1/E1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-62C1/F1/F1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-351A/D/D(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	**	**	**	*	*	**

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Recommendation against Model G3VM-351B/E/E(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-352C/F/F(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-401A/D/D(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	**	**	**	*	*	**
Recommendation against Model G3VM-401B/E/E(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-402C/F/F(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	--	--	--	*	*	**

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

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
Model G3VM-61A1	Model G3VM-61AY1
Model G3VM-61D1	Model G3VM-61DY1
Model G3VM-61D1(TR)	Model G3VM-61DY1(TR05)
Model G3VM-61B	Model G3VM-61AY1
Model G3VM-61E	Model G3VM-61DY1
Model G3VM-61E(TR)	Model G3VM-61DY1(TR05)
Model G3VM-61B1	Model G3VM-61AY1
Model G3VM-61E1	Model G3VM-61DY1
Model G3VM-61E1(TR)	Model G3VM-61DY1(TR05)
Model G3VM-62C1	Model G3VM-61AY1 Use 2 pcs.
Model G3VM-62F1	Model G3VM-61DY1 Use 2 pcs.
Model G3VM-62F1(TR)	Model G3VM-61DY1(TR05) Use 2 pcs.

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
Model G3VM-351A	Model G3VM-351AY1
Model G3VM-351D	Model G3VM-351DY1
Model G3VM-351D(TR)	Model G3VM-351DY1(TR05)
Model G3VM-351B	Model G3VM-351AY1
Model G3VM-351E	Model G3VM-351DY1
Model G3VM-351E(TR)	Model G3VM-351DY1(TR05)
Model G3VM-352C	Model G3VM-351AY1 Use 2 pcs.
Model G3VM-352F	Model G3VM-351DY1 Use 2 pcs.
Model G3VM-352F(TR)	Model G3VM-351DY1(TR05) Use 2 pcs.
Model G3VM-401A	Model G3VM-401AY1
Model G3VM-401D	Model G3VM-401DY1
Model G3VM-401D(TR)	Model G3VM-401DY1(TR05)
Model G3VM-401B	Model G3VM-401AY1
Model G3VM-401E	Model G3VM-401DY1
Model G3VM-401E(TR)	Model G3VM-401DY1(TR05)
Model G3VM-402C	Model G3VM-401AY1 Use 2 pcs.
Model G3VM-402F	Model G3VM-401DY1 Use 2 pcs.
Model G3VM-402F(TR)	Model G3VM-401DY1(TR05) Use 2 pcs.

[Body color]

Product discontinuation	Recommendable replacement
Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-401A, -401D, -401D(TR) Model G3VM-401B, -401E, -401E(TR) Model G3VM-402C, -402F, -402F(TR)	Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)
White	Black

[Dimensions]

Product discontinuation	Recommendable replacement
Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)	Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)
Model G3VM-61A1, -351A, -401A 	Model G3VM-61D, -61D1(TR), -351D, -351D(TR), -401D, -401D(TR)
Model G3VM-61AY1, -351AY1, -401AY1 Same as Left	Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05) Same as Left

[Dimensions]

<p>Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>	
<p>Model G3VM-61B, -61B1, -351B, -401B</p>	<p>Model G3VM-61E, -61E(TR), -61E1, -61E1(TR), -351E, -351E(TR), -401E, -401E(TR)</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p>

<p>Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each</p>	
<p>Model G3VM-62C1, -352C, -402C</p>	<p>Model G3VM-62F1, -62F1(TR), -352F, -352F(TR), -402F, -402F(TR)</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p>

[Wire connection]

<p>Product discontinuation Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>
<p>(TOP VIEW)</p>	<p>Same as Left</p>

[Wire connection]

<p>Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>
<p>(TOP VIEW)</p>	<p>(TOP VIEW)</p>

<p>Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each</p>
<p>(TOP VIEW)</p>	<p>(TOP VIEW)</p>

[Mounting dimensions]

<p>Product discontinuation Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>	
<p>Model G3VM-61A1, -351A, -401A</p> <p>Bottom View</p>	<p>Model G3VM-61D1, -61D1(TR), -351D, -351D(TR), -401D, -401D(TR)</p> <p>Top View</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p> <p>Bottom View</p> <p>Same as left</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p> <p>Top View</p> <p>Same as left</p>

[Mounting dimensions]

<p>Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>	
<p>Model G3VM-61B, -61B1, -351B, -401B</p> <p>Bottom View</p>	<p>Model G3VM-61E, -61E(TR), -61E1, -61E1(TR), -351E, -351E(TR), -401E, -401E(TR)</p> <p>Top View</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p> <p>Bottom View</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p> <p>Top View</p>

<p>Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each</p>	
<p>Model G3VM-62C1, -352C, -402C</p> <p>Bottom View</p>	<p>Model G3VM-62F1, -62F1(TR), -352F, -352F(TR), -402F, -402F(TR)</p> <p>Top View</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p> <p>Bottom View</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p> <p>Top View</p>

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61A1	G3VM-61D1 G3VM-61D1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	60			60		
	Continuous load current		I_O	mA	500			500		
Dielectric strength between input and output			V_{LO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	1	2	-	0.6	2
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-
Capacitance between I/O terminals			C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			$R_{\infty O}$	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.8	2	-	1	3
Turn-OFF time			t_{OFF}	ms	-	0.1	0.5	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61B	G3VM-61E G3VM-61E(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Type										
Package				DIP6			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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	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	500			500		
		Connection B			500			-		
		Connection C			1,000			-		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	-	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	1	2	-	0.6	2
		Connection B			-	0.5	1	-	-	-
		Connection C			-	0.25	-	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-	
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.6	2	-	1	3
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61B1	G3VM-61E1 G3VM-61E1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Type										
Package				DIP6			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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	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	500			500		
		Connection B			500			-		
		Connection C			1,000			-		
Dielectric strength between input and output			V_{LO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	1	2	-	0.6	2
		Connection B			-	0.5	1	-	-	-
		Connection C			-	0.25	-	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-	
Capacitance between I/O terminals			C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{LO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.8	2	-	1	3
Turn-OFF time			t_{OFF}	ms	-	0.1	0.5	-	0.2	1

[Characteristics / Operation ratings]

Item			Product Discontinuation			Recommended Replacement				
			G3VM-62C1	G3VM-62F1 G3VM-62F1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)			
Use 2 pcs. each										
Type										
Package			DIP8			DIP4				
Contact form			2a(DPST-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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	60			60		
	Continuous load current		I_O	mA	500			500		
Dielectric strength between input and output			V_{LO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	1	2	-	0.6	2
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-
Capacitance between I/O terminals			C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{LO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.8	2	-	1	3
Turn-OFF time			t_{OFF}	ms	-	0.1	0.5	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement				
				G3VM-351A	G3VM-351D G3VM-351D(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)			
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			30			
	Repetitive peak LED forward current		I_{FP}	A	1			1			
	LED reverse voltage		V_R	V	5			5			
Output	Load Voltage(AC/DC)		V_{OFF}	V	350			350			
	Continuous load current		I_O	mA	120			100			
Dielectric strength between input and output			V_{LO}	Vrms	2,500			5,000			
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	1.15	1.3	1.1	1.27	1.4	
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3	
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-	
Output	Maximum resistance with output ON		R_{ON}	Ω	-	35	50	-	35	50	
	Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	-	1	
	Capacitance between terminals		C_{OFF}	pF	-	30	-	-	30	-	
Capacitance between I/O terminals				C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals				R_{LO}	MΩ	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time				t_{ON}	ms	-	0.3	1	-	0.3	2
Turn-OFF time				t_{OFF}	ms	-	0.1	1	-	0.1	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-351B	G3VM-351E G3VM-351E(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)		
Type										
Package				DIP6			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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	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			100		
		Connection B			120			-		
		Connection C			240			-		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	35	50	-	35	50
		Connection B			-	28	40	-	-	-
		Connection C			-	14	20	-	-	-
Current leakage when the relay is open			I_{LEAK}	μA	-	-	1	-	-	1
Capacitance between terminals			C_{OFF}	pF	-	30	-	-	30	-
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.3	1	-	0.3	2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.1	1

[Characteristics / Operation ratings]

Item			Product Discontinuation			Recommended Replacement				
			G3VM-352C	G3VM-352F G3VM-352F(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)			
Use 2 pcs. each										
Type										
Package			DIP8			DIP4				
Contact form			2a(DPST-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		30			
	Repetitive peak LED forward current		I_{FP}	A	1		1			
	LED reverse voltage		V_R	V	5		5			
Output	Load Voltage(AC/DC)		V_{OFF}	V	350		350			
	Continuous load current		I_O	mA	120		100			
Dielectric strength between input and output			V_{KO}	Vrms	2,500		5,000			
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	35	50	-	35	50
	Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	-	1
	Capacitance between terminals		C_{OFF}	pF	-	30	-	-	30	-
Capacitance between I/O terminals			C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{KO}	MΩ	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.3	1	-	0.3	2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.1	1

[Characteristics / Operation ratings]

Item			Product Discontinuation			Recommended Replacement		
			G3VM-401A	G3VM-401D G3VM-401D(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)	
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		30	
	Repetitive peak LED forward current		I_{FP}	A	1		1	
	LED reverse voltage		V_R	V	5		5	
Output	Load Voltage(AC/DC)		V_{OFF}	V	400		400	
	Continuous load current		I_O	mA	120		120	
Dielectric strength between input and output			V_{KO}	Vrms	2,500		5,000	
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	1.15	1.3	1.1 1.27 1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6 - 3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1 - -
Output	Maximum resistance with output ON		R_{ON}	Ω	-	18	35	- 22 35
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	- - 1
	Capacity between terminals		C_{OFF}	pF	-	40	-	- 80 -
Capacity between I/O terminals			C_{LO}	pF	-	0.8	-	- 0.8 -
Insulation resistance between I/O terminals			R_{KO}	M Ω	1000	1.00E+08	-	1000 1.00E+08 -
Turn-ON time			t_{ON}	ms	-	-	1	- 0.6 2
Turn-OFF time			t_{OFF}	ms	-	-	1	- 0.2 1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-401B	G3VM-401E G3VM-401E(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)		
Type										
Package				DIP6			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			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	400			400		
	Continuous load current	Connection A	I_O	mA	120			120		
		Connection B			120			-		
		Connection C			240			-		
Dielectric strength between input and output			V_{LO}	Vrms	2,500			5,000		
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	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	17	35	-	22	35
		Connection B			-	11	20	-	-	-
		Connection C			-	6	10	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μA	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	40	-	-	80	-	
Capacitance between I/O terminals			C_{LO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{LO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.3	1	-	0.6	2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.2	1

[Characteristics / Operation ratings]

Item	Product Discontinuation			Recommended Replacement		
	G3VM-402C	G3VM-402F G3VM-402F(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)	
Use 2 pcs. each						
Type						
Package		DIP8			DIP4	
Contact form		2a(DPST-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		30
	Repetitive peak LED forward current	I_{FP}	A	1		1
	LED reverse voltage	V_R	V	5		5
Output	Load Voltage(AC/DC)	V_{OFF}	V	400		400
	Continuous load current	I_O	mA	120		120
Dielectric strength between input and output		V_{IO}	Vrms	2,500		5,000
Operating Temperature		T_a	°C	-40	~	+ 85
Storage Temperature		T_{stg}	°C	-55	~	+ 125
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	-	1	3
	Release LED Forward Current	I_{FC}	mA	0.1	-	-
Output	Maximum resistance with output ON	R_{ON}	Ω	-	18	35
	Current leakage when the relay is open	I_{LEAK}	μ A	-	-	1
	Capacitance between terminals	C_{OFF}	pF	-	-	-
Capacitance between I/O terminals		C_{IO}	pF	-	0.8	-
Insulation resistance between I/O terminals		R_{IO}	M Ω	1000	1.00E+08	-
Turn-ON time		t_{ON}	ms	-	-	1
Turn-OFF time		t_{OFF}	ms	-	-	1

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