

ENGINEERINGUPDATE



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
X	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)

X

Model G3VM-S1 Model G3VM-S1(TR)

Model G3VM-61VY3

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

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

Model G3VM-SY Model G3VM-SY(TR)

<u>Differences from discontinued product:</u>

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
00/41.05	00/4/ 05/10
G3VM-2F	G3VM-351D
G3VM-2F(TR)	G3VM-351D(TR)
00/44.0	O0//M 054D
G3VM-3	G3VM-351B
G3VM-3F	G3VM-351E
G3VM-3F(TR)	G3VM-351E(TR)
GSVIM-SI (TIX)	GSVIM-SSTE(TIX)
G3VM-V	G3VM-61B1
G3VM-VF	G3VM-61E1
GOVINI VI	30VIII 0121
G3VM-VF(TR)	G3VM-61E1(TR)
G3VM-XN	G3VM-61B1
G3VM-XNF	G3VM-61E1
G3VM-XNF	G3VM-61E1
G3VM-XNF(TR)	G3VM-61E1(TR)
G3VM-4N	G3VM-401B
G3VM-W	G3VM-352C
G3VM-WF	G3VM-352F
CO)/ILLVIZ(TD)	20/4/ 2727/77)
G3VM-WF(TR)	G3VM-352F(TR)
G3VM-S2	G3VM-351VY
	G3VM-351VY(TR)
G3VM-S2(TR)	G3VW-351V1(1K)
	G3VM-351VY(TR05)
G3VM-S1	G3VM-61VY3
G3VM-S1(TR)	G3VM-61VY3(TR)
Sovial Original	G3VM-61VY3(TR05)
C2VM CV	
G3VM-SY	G3VM-62J1
G3VM-SY(TR)	G3VM-62J1(TR)

Body color:

Discontinued Models	Suggested Replacements
G3VM-2/-2F/-2F(TR)	G3VM-351A/-351D/-351D(TR)
G3VM-3/-3F/-3F(TR)	G3VM-351B/-351E/-351E(TR)
G3VM-V/-VF/-VF(TR)	G3VM-61B1/-61E1/-61E1(TR)
G3VM-XN/-XNF/-XNF(TR)	G3VM-61B1/-61E1/-61E1(TR)
G3VM-4N	G3VM-401B
G3VM-W/-WF/-WF(TR)	G3VM-352C/-352F/-352F(TR)
G3VM-SY/-SY(TR)	G3VM-62J1/-62J1(TR)
lvory	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)		
4 3 ONEON O 932 ON	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)		
6 5 4	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)		
8 7 6 5 OMRON 0 932 2 5 2 5 1 2 3 4	Same		

Wire connection (Continued):

Discontinued Models	Suggested Replacements		
G3VM-S2/-S2(TR)	G3VM-351VY/-351VY(TR05)		
G3VM-S1/-S1(TR)	G3VM-61VY3/-61VY3(TR)		
SOP4 (SPST-NO contact type)	Special SOP4 (SPST-NO contact type) 1		
Discontinued Models	Suggested Replacements		
G3VM-SY/-SY(TR)	G3VM-62J1/-62J1(TR)		
SOP8 (DPST-NO contact type)	SOP8 (DPST-NO contact type) Same		

Mounting Dimensions:

Discontinu G3VM-2/-2		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		G3VM-351A	G3VM-351D/-351D(TR)	
2.54 4-\$\phi 0.8 (0.61) (0.61) (1.52) (0.61)	2.54 8.3~8.8 1.3 1.5	Same	Same	

Mounting dimensions (Continued):

Mounting dimensions (Co	ontinued):			
G3VM-3/ G3VM-V/	nued Models -3F/-3F(TR) -VF/-VF(TR) N/-XNF/-XNF(TR) M-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	pe)	DIP6(SPST-NO contact type)		
G3VM-3 G3VM-V G3VM-XN G3VM-4N Bottom View	G3VM-3F/-3F(TR) G3VM-VF/-VF(TR) G3VM-XNF/-XNF(TR) Top View	G3VM-351B G3VM-61B1 G3VM-401B	G3VM-351E/-351E(TR) G3VM-61E1/-61E1(TR)	
(1.52) (0.61) (1.52) (0.61)	2.54 2.54 8.3~8.8 1.3 1.5	Same	Same	
	nued Models -W/-WF/-WF(TR)	Suggested Replacements Model G3VM-352C/-352F/-352F(TR)		
DIP8 (DPST-NO contact type	pe)	DIP8 (DPST-NO contact type)		
G3VM-W Bottom View	G3VM-WF/-WF(TR) Top View	G3VM-352C	G3VM-352F/-352F(TR)	
2.54 8-\$\phi 0.8 (0.61) (0.61) (1.52) (1.52)	2.54	Same	Same	
G3VM-	nued Models S2/-S2(TR) S1/S1(TR)	Suggested Replacements G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)		
SOP4 (SPST-NO contact ty	rpe)	Special SOP4 (SPST-NO contact type)		
G3VM-S2/-S2(TR) G3VM-S1/-S1(TR) Top View		G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)		
0.8 1 2.54		Same		

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)
G3VM-SY/-SY(TR) Top View	G3VM-62J1/-62J1(TR) Same

Dimensions:

	nued Models 2/-2F/-2F(TR)	Suggested Replacements G3VM-351A/-351D/-351D(TR)		
DIP4 (SPST-NO contact ty	ype)	DIP4 (SPST-NO contact type)		
G3VM-2	G3VM-2F/-2F(TR)	G3VM-351A	G3VM-351D/-351D(TR)	
4.58+0.25 0.8+0.25 3.65+0.35 2.56/1.12 0.5+0.1 7.85-0.80 7.85-0.80	4.58±0.25 6.4±0.25 1.00 ± 1.	Same	Same	
G3VM-3 G3VM-V G3VM-XN/	nued Models 6/-3F/-3F(TR) 6/-VF/-VF(TR) 6-XNF/-XNF(TR) 6VM-4N	Suggested Replacements G3VM-351B/-351E/-351E(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-61B1/-61E1/-61E1(TR) G3VM-401B		
DIP6 (SPST-NO contact ty	ype)	DIP6 (SPST-NO contact type)		
G3VM-3 G3VM-V G3VM-XN G3VM-4N	G3VM-3F/-3F(TR) G3VM-VF/-VF(TR) G3VM-XNF/-XNF(TR)	G3VM-351B G3VM-61B1 G3VM-401B G3VM-401B G3VM-351E/-351E(TR)		
7.12 x a x 0.8 x a x 2.5 x 4 x a x 2.5 x 4 x a x 7.62 x a x 7.65 x a x	7.12±0.25 0.4±0.25 0.4±0.25 0.4±0.25 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Same	Same	

Dimensions (Continued):

	ued Models VF/-WF(TR)	Suggested Replacements G3VM-352C/-352F/-352F(TR)		
DIP8 (DPST-NO contact typ	e)	DIP8 (DPST-NO contact type)		
G3VM-W	G3VM-WF/-WF(TR)	G3VM-352C	G3VM-352F/-352F(TR)	
0.8+0.25 0.8+0.		Same	Same	
G3VM-S	ued Models 2/-S2(TR) 1/-S1(TR)	G3VM-351VY/-	ted Replacements 351VY(TR)/-351VY(TR05) 61VY3(TR)/-61VY3(TR05)	
SOP4 (SPST-NO contact type	pe)	Special SOP4 (SPST-	NO contact type)	
G3VM-S2/-S2 G3VM-S1/-S1		G3VM-351VY/-351VY(TR)/-351VY(TR05) G3VM-61VY3/-61VY3(TR)/-61VY3(TR05)		
3.9±0.2 0.4±0.1 0.1±0.1	0.15 0.6±0.3 +7.0±0.4+	3.7±0.25 0.4±0.1 0.1±0.1 0.504 0.504 0.504 0.504		
	ued Models 1-SY/-SY(TR)	Suggested Replacements Model G3VM-62J1/-62J1(TR)		
SOP8 (DPST-NO contact type	pe)	SOP8 (DPST-NO contact type)		
G3VM-SY/-SY(1	TR)	G3VM-62J1/-62J1(TR)		
9.4±025	2.1 以下 0.15 0.5±0.3 1.1±0.1	Same		

		Item	1			Produ		conti odel)	nuation	Recommended Replacement (Model)			acement
			•			G3VM-	2	_	33VM-2F VM-2F(TR)	G3VM-3!	51A	G3VM-351D G3VM-351D(T	
Тy	ре												
_ <u> </u>		ckage				DIP4					DII	₽4	
(Со	ntact form				1a(SP		,		1a(SPS		<u> </u>	
ŀ	Terminal structure						inals		ace-mounting Ferminals	PCB Term	ninals		ce-mounting erminals
Αb	so	lute maximum Rating		Symbol	Unit		Ra	ating			Rat	ing	
	Input	LED forward current		I _F	mA		Ę	50			50	0	
	<u> </u>			V_R	V			5			5	j	
		Load Voltage(AC/DC)		V_{OFF}	V	350				350			
	Output	Continuous load current	Connection A				1	20		120			
	Out		Connection B	Io	mA			-			_	-	
			Connection C					-			_	-	
Ī	Die	Dielectric strength between input and output			Vrms		25	500			250	00	
•	Op	erating Temperature		Ta	ဇ	-20 ~ +85			-40		~	+ 85	
:	Sto	orage Temperature		T _{stg}	ဇ	-55 ~ + 100			-55 ~ + 12		+ 125		
Ele	ecti	rical Characteristics		Symbol	Unit	Min.	Ту	/p.	Max	Min.	Тур).	Max
	ut	LED Forward voltage		V _F	٧	1	1.1	15	1.3	1.1	1.1	5	1.3
	ᆸ	LED Forward voltage Trigger LED Forward Curr	ent	I _{FT}	mA	-	2	2	3	-	1		3
			Connection A			-	2	2	35	-	35		50
	Output	Maximum resistance with output ON	Connection B	R _{on}	Ω	-	-	-	-	-	_		-
	Ont	Will output Oil	Connection C			-	-	=	-	-	-		-
		Current leakage when the	relay is open	I _{LEAK}	uA	-	-	-	1	-	-		1
Ī	Capacity between I/O terminals				рF	-	0.	.8	-	-	0.8	3	-
Insulation resistance between I/O terminals				R _{I-O}	МΩ	1000	10	D ⁸	-	1000	10 ⁸	3	-
Turn-ON time				t _{ON}	ms	-	-	-	1	-	0.3	3	1
ŀ	Turn-OFF time t _{OFF} m					-	-	-	1	-	0.1		1

CII	lai	acteristics:				Produ	ct Dis	cont	inuation	Recommended Replacement			
		Item					(Mo	del)		(Model)			
		1011	'			G3VM-	3		G3VM-3F VM-3F(TR)	G3VM-35	1B	G3VM-351E G3VM-351E(TR)	
Тy	ре						-						
	Pa	ckage				DIP6					DI	IP6	
	Со	ntact form				1a(SP		,	•	1a(SP			
,	Te	rminal structure		PCB Term	inals		ace-mounting Terminals	PCB Termi	nals		ce-mounting erminals		
Αb	so	lute maximum Rating		Symbol	Unit		Ra	ting			Ra	iting	
	out	LED forward current		I _F	mA		5	0			5	50	
	LED forward current LED reverse voltage				٧			5				5	
		Load Voltage(AC/DC)	V_{OFF}	٧		3	50			3	50		
	Output	Continuous load current	Connection A				1	20			1	20	
	Out		Connection B	Io	mA		1.	20			1:	20	
			Connection C				1	60			2	40	
	Die	Dielectric strength between input and output			Vrms		25	00			25	500	
	Op	erating Temperature		Ta	သိ	−20 ~ +85			−40 ~ +85		+ 85		
	Sto	orage Temperature		T _{stg}	တ	-55	~		+ 100	−55 ~ + 125			+ 125
Εle	ecti	rical Characteristics		Symbol	Unit	Min.	Тур	٥.	Max	Min.	Ту	φ.	Max
	ont	LED Forward voltage		V _F	٧	1	1.1	5	1.3	1.1	1.1	15	1.3
	<u>l</u>	Trigger LED Forward Curre	ent	I _{FT}	mA	ı	ı		3	ı	1		3
			Connection A			-	22	2	35	-	3	5	50
	_	Maximum resistance with output ON	Connection B	R _{ON}	Ω	-	16	6	23	-	2	8	40
	Oui		Connection C			ı	8		12	ı	14	4	20
		Current leakage when the I	relay is open	I _{LEAK}	uA	-	Ī		1	-	-	-	1
	Capacity between I/O terminals Insulation resistance between I/O terminals			C _{I-O}	рF	-	0.8	3	-	_	0.	8	_
				R _{I-O}	МΩ	1000	10	8	_	1000	10) ⁸	_
	Turn-ON time t _O				ms	1	ı		1	ı	0.	.3	1
. [Tu	rn-OFF time	ms	1	-		1	_	0.	.1	1		

	Iter		Produc		sconti odel)	nuation	Recommended Replacement (Model)				
	1001				G3VM-V			3VM-VF (M-VF(TR)	G3VM-61I		33VM-61E1 VM-61E1(TR)
Турє)									•	
Pa	ackage					D	IP6			DIP6	
C	ontact form			1	a(SF	ST-N			1a(SPST-		
Te	erminal structure		PCB Termin	als		ce-mounting erminals	PCB Termi	nals Su	rface-mounting Terminals		
	olute maximum Rating		Ra	ating			Rating	1			
ŧ	LED forward current	I _F	mA			50			50		
<u>=</u>	LED forward current LED reverse voltage	V_R	٧			5			5		
	Load Voltage(AC/DC)		V _{OFF}	V			60			60	
Output		Connection A				3	300		500		
ō		Connection B	Io	mA		4	150			500	
		Connection C				6	00			1000	
Di	ielectric strength between in	put and output	V _{I-O}	Vrms	2500				2500		
0	perating Temperature		Ta	ဗင	-20 ~ +85		-40 ~ +85		+ 85		
St	torage Temperature		T _{stg}	ဗင	-55	•	~	+ 100	−55 ~ + 12		+ 125
	trical Characteristics		Symbol	Unit	Min.	Ty	yp.	Max	Min.	Тур.	Max
Į	LED Forward voltage Trigger LED Forward Curr		V _F	٧	1	1.	15	1.3	1.1	1.15	1.3
2	Trigger LED Forward Curr	ent	I _{FT}	mA	-		1	5	-	1.6	3
		Connection A			-	1	.4	2	-	1	2
Output	with output ON	Connection B	R _{ON}	Ω	-	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				pF	-		.8	-	-	0.8	_
In	Insulation resistance between I/O terminals			МΩ	1000	1	08	-	1000	10 ⁸	-
T	Turn-ON time t _{ON}				-		_	1	-	8.0	2
T	Turn-OFF time t _{OFF} ms						-	1	-	0.1	0.5

		Item	1			Produc		scontin odel)	uation	Recommended Replacemen (Model)			acement
			•			G3VM-XI	٧		/M-XNF 1-XNF(TR)	G3VM-61	B1 G3VM-61E1 G3VM-61E1(T		
Ту	/pe												
	Pa	ckage				DIP6					DI	P6	
	Со	ntact form		1	la(SF	PST-NC))	•	1a(SP	ST-NC	•		
	Terminal structure						nals		e-mounting rminals	PCB Termi	inals		e-mounting erminals
Αk	Absolute maximum Rating Symbol Unit						R	ating			Ra	ting	
								30			5	0	
	ln p	E LED reverse voltage			٧			5				5	
		Load Voltage(AC/DC)		V_{OFF}	٧	60				60			
	Output	Continuous load current	Connection A				;	300		500			
	Out		Connection B	Io	mA			450			5	00	
			Connection C				(600			10	000	
	Die	Dielectric strength between input and output			Vrms		2	2500			25	500	
	Op	erating Temperature		Ta	သိ	-40		~	+ 85	-40		~	+ 85
	Sto	orage Temperature		T _{stg}	သိ	-55		~	+ 125	-55		~	+ 125
El	ect	rical Characteristics		Symbol	Unit	Min.	Т	ур.	Max	Min.	Ту	/p.	Max
	Input	LED Forward voltage		V _F	٧	1.2		1.4	1.7	1.1	1.1	15	1.3
	lnp	Trigger LED Forward Curre	ent	I _{FT}	mA	-		-	5	-	1.	.6	3
			Connection A			-		1.4	2	-	1	1	2
	put	Maximum resistance with output ON*	Connection B	Ron	Ω	-		0.7	1	-	0.	.5	1
	Output	output Oit	Connection C			-	0).35	0.5	-	0.2	25	-
		Current leakage when the i	relay is open	I _{LEAK}	uA	-		_	1	-	-	-	1
	Capacity between I/O terminals Insulation resistance between I/O terminals			C _{I-O}	pF	-		0.8	_	-	0.	.8	-
				R _{I-O}	МΩ	1000		10 ⁸	-	1000	10) ⁸	-
İ	Turn-ON time			ton	ms	-	(0.2	0.5	-	0.	.8	2
					ms	-	(0.2	0.5	_	0.	.1	0.5

			1			Produc	t Discontii (Model)	nuation	Recomm	ended Repl (Model)	acement	
			-				G3VM-4N		G3VM-401B			
Ty	/pe											
	Pa	ckage					DIP6		DIP6			
	Со	ntact form					1a(SPST-NO)		1a(SPST-NO)		
	Те	rminal structure					PCB Terminal	ls		PCB Terminals	3	
Absolute maximum Rating					Unit		Rating			Rating		
	put	LED forward current		IF	mA		30			50		
	Inp	LED reverse voltage		V_R	٧		5			5		
		Load Voltage(AC/DC)			٧		400			60		
	Output	. Continuous load current	Connection A				150		500			
	Out		Connection B	lo	mA		200		500			
			Connection C				300			1000		
	Die	Dielectric strength between input and output			Vrms		2500			2500		
	Op	erating Temperature		Ta	ဗင	-40	~	+ 85	-40	-40 ~ +85		
	Sto	orage Temperature		T _{stg}	လ	-55	~	+ 125	-55	~	+ 125	
Εle		cal Characteristics		Symbol	Unit	Min.	Тур.	Max	Min.	Тур.	Max	
	put	LED Forward voltage Trigger LED Forward Curre		V _F	V	1.2	1.4	1.7	1.1	1.15	1.3	
	ul	Trigger LED Forward Curre	ent	I _{FT}	mA	_	1	5	-	1.6	3	
	t	Maximum resistance with	Connection A			_	8	12	-	1	2	
	_	output ON*	Connection B	R _{ON}	Ω	_	4	6	-	0.5	1	
	O		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}	МΩ	1000	108		1000	108	-	
	Turn-ON time			t _{ON}	ms	-	0.3	1	-	0.8	2	
	Tu	rn-OFF time		t _{OFF}	ms	-	0.3	1	- 0.1 0.5			

			Produc		scontin odel)	uation	Recommended Replacement (Model)					
			•			G3VM-W			VM-WF M-WF(TR)	G3VM-352		3VM-352F /M-352F(TR)
Ту	ре						•					
	Pa	ckage				DIP8				DIP8		
	Со	ntact form				2a(DPST-NO)))	2	a(DPST-I	<u>, , , , , , , , , , , , , , , , , , , </u>	
	Те	rminal structure				PCB Termin	nals		e-mounting rminals	PCB Termin	nals Sur	face-mounting Terminals
Αb	so	lute maximum Rating		Symbol	Unit		R	ating			Rating	
	'n	LED forward current		I _F	mA			50			50	
	п	LED forward current LED reverse voltage		V_R	٧	5					5	
-		Load Voltage(AC/DC)			٧		;	350			350	
	Output		Connection A					120		120		
	Out	Continuous load current	Connection B	Io	mA			-			_	
			Connection C					-			_	
Ī	Die	electric strength between in	V _{I-O}	Vrms		2	500			2500		
	Op	erating Temperature		Ta	တ	−20 ~ +85			-40	~ + 85		
	Sto	orage Temperature		T _{stg}	တ	−55 ~ + 100		+ 100	-55 ~ +		+ 125	
Ele	ect	rical Characteristics		Symbol	Unit	Min.	7	Гур.	Max	Min.	Тур.	Max
	put	LED Forward voltage		V _F	V	1	1	1.15	1.3	1	1.15	1.3
		Trigger LED Forward Curre	ent	I _{FT}	mA	-		2	3	_	1	3
			Connection A			_		22	35	_	35	50
	Output	Maximum resistance with output ON*	Connection B	R _{ON}	Ω	-		-	-	-	ı	-
	O		Connection C			-		_	_	-	ı	_
		Current leakage when the i	relay is open	I _{LEAK}	uA	_		-	1	_	ı	1
	Capacity between I/O terminals Insulation resistance between I/O terminals			C _{I-O}	pF	_		8.0	_	_	0.8	_
				R _{I-O}	МΩ	1000		10 ⁸	-	1000	10 ⁸	_
Turn-ON time			t _{ON}	ms	_		_	1	_	0.3	1	
i	Turn-OFF time			t _{OFF}	ms	-		-	1	-	0.1	1

					Produc	t Disconti (Model)	nuation	Recommended Replacement (Model)				
		Item	1			G	G3VM-S2 G3VM-S2(TI	₹)	G3VM-351VY G3VM-351VY(TR) G3VM-351VY(TR05)			
Тур	е											
Р	ac	kage					SOP4		Special SOP4			
С	or	ntact form			1	a(SPST-NO	O)	1	a(SPST-NC	D)		
Т	er	minal structure			S	urface-mounti Terminals	ng	S	urface-mountii Terminals	ng		
Absolute maximum Rating s					Unit		Rating			Rating		
į	LED forward current				mA		50			30		
2	LED forward current LED reverse voltage				٧		5			6		
	Load Voltage(AC/DC)			V _{OFF}	٧		350			350		
±	bat	Continuous load current	Connection A				120			110		
4110	ונה מ		Connection B	lo	mA		_		-			
			Connection C				-			-		
D	ie	lectric strength between in	put and output	V _{I-O}	Vrms		1500		3750			
0)pe	erating Temperature		Ta	တ္	-40	~	+ 85	-40	-40 ~ + 110		
S	to	rage Temperature		T _{stg}	တ	-55	~	+ 125	−55 ~ + 125		+ 125	
Elec	ctr	ical Characteristics		Symbol	Unit	Min.	Тур.	Max	Min.	Тур.	Max	
ŧ	ווו	LED Forward voltage		V _F	٧	1	1.15	1.3	1.1	1.27	1.4	
2	Ĕ	LED Forward voltage Trigger LED Forward Curre	ent	I _{FT}	mA	-	1	3	-	0.8	3	
			Connection A			_	22	35	-	35	50	
<u> </u>	ind	Maximum resistance with output ON*	Connection B	R _{ON}	Ω	-	-	-	-	-	_	
1	֓֟֟֓֟֓֟֓֓֓֟֓֓֓֓֟֓֓֓֓֟֓֓֓֓֟֓֓֓֟֓֓֓֓֟֓֓	output ON	Connection C			-	-	-	-	-	-	
	_[Current leakage when the relay is open		I _{LEAK}	uA	-	1	1	_	_	1	
С	Capacity between I/O terminals			C _{I-O}	pF	_	0.8	-	-	0.8	-	
In	Insulation resistance between I/O terminals			R _{I-O}	МΩ	1000	10 ⁸	-	1000	10 ⁸	-	
Т	Turn-ON time			t _{ON}	ms	-	0.3	1	-	0.5	1	
Т	Turn-OFF time t ₀				ms	- 0.1 1		-	0.1	0.5		

					Product	t Discontir (Model)	nuation	Recommended Replacement (Model)				
		Iten	1			G	G3VM-S1 3VM-S1(TR)	G3VM-61VY3 G3VM-61VY3(TR) G3VM-61VY3(TR05)			
Тy	ре											
	Pad	ckage					SOP4		9	Special SOF	24	
	Co	ntact form					a(SPST-NC	•		1a(SPST-NO	•	
	Ter	rminal structure				Su	rface-mountir Terminals	ng	S	Surface-mounti Terminals	ng	
Αb	so	lute maximum Rating		Symbol	Unit		Rating			Rating		
	Ħ	LED forward current		IF	mA		50			30		
	LED forward current LED reverse voltage				٧		5			6		
-	Load Voltage(AC/DC)			V _{OFF}	٧		60		60			
	Output	Connection A					400		700			
	Out	Continuous load current	Connection B	lo	mA		-		_			
			Connection C				-			-		
-	Die	electric strength between in	put and output	V _{I-O}	Vrms		1500		3750			
	Ор	erating Temperature		Ta	တ	−40 ~		+ 85	-40	~	+ 110	
	Sto	orage Temperature		T _{stg}	သ	-55	~	+ 125	−55 ~		+ 125	
Ele	ecti	rical Characteristics		Symbol	Unit	Min.	Тур.	Max	Min.	Тур.	Max	
	out	LED Forward voltage		V _F	٧	1	1.15	1.3	1.1	1.27	1.4	
	In F	LED Forward voltage Trigger LED Forward Curre	ent	I _{FT}	mA	-	1	3	-	1	3	
			Connection A			-	1	2	ı	0.15	2	
	_	Maximum resistance with output ON*	Connection B	Ron	Ω	-	ı	-	I	-	ı	
	Our		Connection C			-	-	-	-	-	-	
		Current leakage when the relay is open		I _{LEAK}	uA	_	1	1		0.002	1	
	Capacity between I/O terminals Insulation resistance between I/O terminals			C _{I-O}	рF	-	0.8	_	ı	0.8	ı	
				R _{I-O}	МΩ	1000	10 ⁸	-	1000	10 ⁸	-	
	Turn-ON time			t _{ON}	ms	_	0.6	2	ı	2	3	
	Tu	rn-OFF time		t _{OFF}	ms	-	0.1	1	-	0.1	0.5	

		Iten	n			Produc	t Discontii (Model)	nuation	Recomm	ended Repl (Model)	acement
		100.1				G	G3VM-SY 33VM-SY(TF	₹)	G	G3VM-62J1 3VM-62J1(TF	2)
Тур	эе										
P	a	ckage					SOP8			SOP8	
C	Co	ntact form				2a(DPST-NO)			2a(DPST-NO)		
Т	Ге	rminal structure				S	urface-mounting	ng	S	urface-mountir Terminals	g
Absolute maximum Rating					Unit		Rating			Rating	
1	Ħ	LED forward current		I _F	mA		50			50	
1	ם	LED forward current LED reverse voltage		V _R	٧		5			5	
		Load Voltage(AC/DC)		V _{OFF}	٧		60			60	
1	Output		Connection A				300		400		
1	Ö		Connection B	Io	mA		-		-		
			Connection C				-			-	
D	Die	electric strength between in	put and output	V _{I-O}	Vrms		1500			1500	
C	Эp	erating Temperature		Ta	တ	-20	~	+ 85	-40	-40 ~ +85	
S	Sto	orage Temperature		T _{stg}	တ	-55	~	+ 125	−55 ~ + 12		+ 125
Ele	ct	rical Characteristics		Symbol	Unit	Min.	Тур.	Max	Min.	Тур.	Max
	but	LED Forward voltage		V _F	٧	1	1.15	1.3	1	1.15	1.3
1	Ξ	Trigger LED Forward Curre	ent	I _{FT}	mA	-	-	3	-	1	3
			Connection A			-	1.4	2	-	1	2
	Output	Maximum resistance with output ON*	Connection B	R _{ON}	Ω	-	ı	_	_	_	ı
	ŏ		Connection C			-	-	-	-	_	-
	Current leakage when the relay is open		relay is open	I _{LEAK}	uA	-	ı	1	-	_	1
C	Capacity between I/O terminals			C _{I-O}	pF	-	0.8	_	-	0.8	ı
Insulation resistance between I/O terminals			R _{I-O}	МΩ	1000	10 ⁸	_	1000	10 ⁸	-	
T	Turn-ON time			t _{ON}	ms	-	ı	2	_	0.8	2
Т	Γu	rn-OFF time		t _{OFF}	ms	_	-	1	-	0.1	0.5

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

^{*} 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.