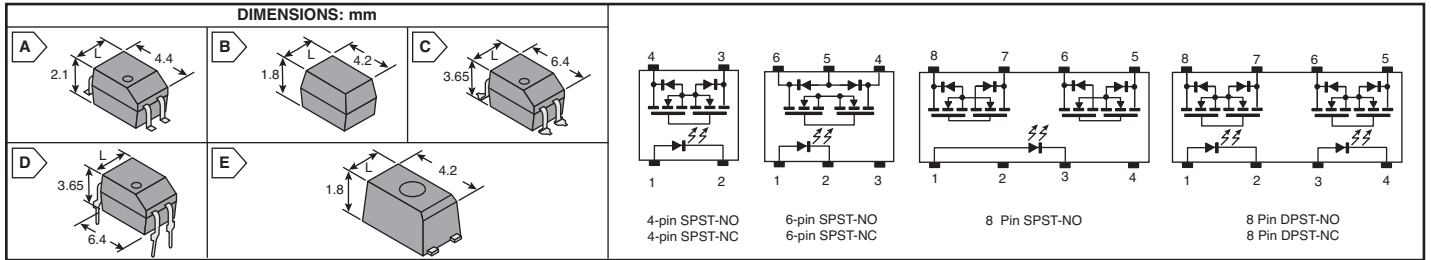


OMRON MOSFET Relays



OMRON G3VM SERIES: MOSFET RELAYS

Features:

- Industry's smallest MOSFET relays
- Solid state technology means hundreds of millions of operations
- Cast in white mold resin which reflects more light from the LED back to the MOSFET driver than black resin. White resin also dissipates heat better than black resin, so relays can be placed closer together on the board.

Applications:

- Automated test equipment
- Communications
- Security
- Medical ultrasound equipment
- Automotive diagnostic equipment

An independent firm ran a test on the only part of the G3VM that could waver in performance - the LED. After simulated operation of 100,000 hours (equivalent to 11+ years!) the G3VM was still operating successfully!

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dim. L	No. Pins	Contact Form	Package Style	Voltage Withstand (VAC)	ON res. (Max.)	Output Capacitance	Continuous Load Current (AC peak/DC)	Load Volt. Peak Value (AC peak/DC)	Price Each			
												1	25	50	100
653-G3VM-21GR	G3VM-21GR	A	3.90	4	SPST-NO	SOP	1500	8 Ω	2.5 pF typ.	160 mA	20V	2.84	2.65	2.58	2.44
653-G3VM-21GR1	G3VM-21GR1	A	3.90	4	SPST-NO	SOP	1500	1.5 Ω	12 pF typ.	300 mA	20V	2.84	2.65	2.58	2.44
653-G3VM-21HR	G3VM-21HR	A	6.30	6	SPST-NO	SOP	1500	20 Ω	70 pF typ.	250 mA	20V	12.52	11.27	10.67	10.02
653-G3VM-21LR	G3VM-21LR	B	2.04	4	SPST-NO	SSOP	1500	8 Ω	12 pF max.	150 mA	20V	8.64	8.43	8.00	7.13
653-G3VM-21LR1	G3VM-21LR1	B	2.04	4	SPST-NO	SSOP	1500	1.5 Ω	12 pF max.	300 mA	20V	8.64	8.43	8.00	7.13
653-G3VM-21LR10	G3VM-21LR10	B	3.65	4	SPST-NO	SSOP	1500	5 Ω	.8 pF typ.	200 mA	20V	11.70	10.58	9.98	9.45
653-G3VM-21LR11	G3VM-21LR11	E	2.04	4	SPST-NO	SSOP	1500	180 Ω	15 pF typ.	900 mA	20V	12.52	11.27	10.67	10.02
653-G3VM-41GR5	G3VM-41GR5	A	3.90	4	SPST-NO	SOP	1500	1.5 Ω	14 pF max.	300 mA	40V	2.84	2.65	2.58	2.44
653-G3VM-41GR6	G3VM-41GR6	A	3.90	4	SPST-NO	SOP	1500	15 Ω	2 pF max.	120 mA	40V	2.84	2.65	2.58	2.44
653-G3VM-41GR7	G3VM-41GR7	A	3.90	4	SPST-NO	SOP	1500	9.5 Ω	15 pF typ.	120 mA	40V	5.15	4.76	4.17	3.75
653-G3VM-41GR8	G3VM-41GR8	A	3.90	4	SPST-NO	SOP	1500	.13 Ω	70 pF typ.	1000 mA	40V	5.75	5.17	4.90	4.59
653-G3VM-41LR6	G3VM-41LR6	B	2.04	4	SPST-NO	SSOP	1500	15 Ω	2 pF max.	120 mA	40V	8.64	8.43	8.00	7.13
653-G3VM-41LR10	G3VM-41LR10	B	3.65	4	SPST-NO	SSOP	1500	14 Ω	.3 pF typ.	120 mA	40V	11.82	11.10	10.19	9.17
653-G3VM-41LR11	G3VM-41LR11	B	3.65	4	SPST-NO	SSOP	1500	10 Ω	.3 pF typ.	140 mA	40V	11.82	11.10	10.19	9.17
653-G3VM-61D1	G3VM-61D1	C	4.58	4	SPST-NO	SMT	2500	2 Ω	130 pF typ.	500 mA	60V	2.11	1.98	1.93	1.83
653-G3VM-61E1	G3VM-61E1	C	7.12	6	SPST-NO	SMT	2500	2 Ω	130 pF typ.	500 mA	60V	2.19	2.06	2.01	1.91
653-G3VM-62F1	G3VM-62F1	C	9.66	8	SPST-NO	SMT	2500	2 Ω	130 pF typ.	500 mA	60V	3.13	3.06	2.90	2.59
653-G3VM-61G1	G3VM-61G1	A	3.90	4	SPST-NO	SOP	1500	2 Ω	.8 pF typ.	400 mA	60V	2.17	2.12	2.01	1.79
653-G3VM-61G2	G3VM-61G2	A	3.90	4	SPST-NO	SOP	1500	2 Ω	30 pF typ.	400 mA	60V	3.85	3.18	2.87	2.58
653-G3VM-61H1	G3VM-61H1	A	6.30	6	SPST-NO	SOP	1500	2 Ω	130 pF typ.	400 mA	60V	2.11	1.98	1.93	1.83
653-G3VM-62J1	G3VM-62J1	A	9.40	8	SPST-NO	SOP	1500	2 Ω	130 pF typ.	400 mA	60V	5.80	5.50	5.15	4.99
653-G3VM61GR1	G3VM-61GR1	A	3.90	4	SPST-NO	SSOP	1500	0.7 Ω	15 pF typ.	1000 mA	60V	6.14	5.53	4.91	4.79
653-G3VM-61LR	G3VM-61LR	B	3.65	4	SPST-NO	SSOP	1500	1.5 Ω	.3 pF typ.	400 mA	60V	9.70	9.11	8.88	8.42
653-G3VM-61A1	G3VM-61A1	D	4.58	4	SPST-NO	Thru-hole	2500	2 Ω	130 pF typ.	500 mA	60V	2.11	1.98	1.93	1.83
653-G3VM-61B1	G3VM-61B1	D	7.12	6	SPST-NO	Thru-hole	2500	2 Ω	130 pF typ.	500 mA	60V	2.11	1.98	1.93	1.83
653-G3VM-62C1	G3VM-62C1	D	9.66	8	DPST-NO	Thru-hole	2500	2 Ω	130 pF typ.	500 mA	60V	3.13	3.06	2.90	2.59
653-G3VM-81G1	G3VM-81G1	A	3.90	4	SPST-NO	SOP	1500	1.2 Ω	.8 pF typ.	350 mA	80V	3.98	3.74	3.57	3.41
653-G3VM-81GR	G3VM-81GR	A	4.20	4	SPST-NO	SOP	1500	25 Ω	.7 pF typ.	40 mA	80V	7.76	6.98	6.60	6.20
653-G3VM-81GR1	G3VM-81GR1	A	3.90	4	SPST-NO	SOP	1500	8 Ω	.7 pF typ.	200 mA	80V	7.76	6.98	6.60	6.20
653-G3VM-81HR	G3VM-81HR	A	6.30	6	SPST-NO	SOP	1500	.15 Ω	1000 pF max.	1250 mA	80V	10.67	10.02	9.77	9.27
653-G3VM-81LR	G3VM-81LR	B	3.65	4	SPST-NO	SSOP	1500	12 Ω	.8 pF typ.	120 mA	80V	8.94	8.66	8.22	7.96
653-G3VM-201G	G3VM-201G	A	3.90	4	SPST-NO	SOP	1500	50 Ω	15 pF typ.	40 mA	200V	4.10	3.89	3.60	3.20
653-G3VM-S5	G3VM-S5	A	3.90	4	SPST-NO	SOP	1500	2 Ω	1000 pF max.	150 mA	200V	3.20	3.00	2.87	2.71
653-G3VM-201G1	G3VM-201G1	A	3.90	4	SPST-NO	SOP	1500	8 Ω	30 pF typ.	200 mA	200V	4.25	3.70	3.36	3.02
653-G3VM-202J1	G3VM-202J1	A	9.40	8	DPST-NO	SOP	1500	8 Ω	100 pF typ.	200 mA	200V	3.60	3.51	3.33	2.97
653-G3VM-351D	G3VM-351D	C	4.58	4	SPST-NO	SMT	2500	35 Ω	30 pF typ.	120 mA	350V	1.97	1.86	1.75	1.71
653-G3VM-351B	G3VM-351B	C	7.12	6	SPST-NO	SMT	2500	35 Ω	30 pF typ.	120 mA	350V	1.90	1.80	1.69	1.65
653-G3VM-351E	G3VM-351E	C	7.12	6	SPST-NO	SMT	2500	35 Ω	30 pF typ.	120 mA	350V	1.72	1.68	1.59	1.42
653-G3VM-351G	G3VM-351G	A	3.90	4	SPST-NO	SOP	1500	35 Ω	30 pF typ.	110 mA	350V	2.17	2.12	2.01	1.79
653-G3VM-351G1	G3VM-351G1	A	3.90	4	SPST-NO	SOP	1500	35 Ω	30 pF typ.	350 mA	350V	4.66	3.99	3.47	3.12
653-G3VM-2L	G3VM-2L	D	4.58	4	SPST-NO	Thru-hole	2500	35 Ω	40 pF typ.	120 mA	350V	2.18	2.08	1.97	1.82
653-G3VM-351A	G3VM-351A	D	4.58	4	SPST-NO	Thru-hole	2500	35 Ω	30 pF typ.	120 mA	350V	1.72	1.68	1.59	1.42
653-G3VM-353A1	G3VM-353A1	D	4.58	4	SPST-NC	DIP4	2500	50 Ω	.8 pF typ.	100 mA	350V	2.51	2.44	2.32	2.07
653-G3VM-353D1	G3VM-353D1	C	4.58	4	SPST-NC	DIP4	2500	50 Ω	.8 pF typ.	100 mA	350V	2.53	2.46	2.34	2.08
653-G3VM-353B1	G3VM-353B1	D	7.12	6	SPST-NC	DIP6	2500	50 Ω	.8 pF typ.	100 mA	350V	2.95	2.87	2.72	2.43
653-G3VM-353D	G3VM-353D	C	4.58	4	SPST-NC	SMT	2500	25 Ω	100 pF typ.	150 mA	350V	4.62	4.38	3.91	3.79
653-G3VM-353G1	G3VM-353G1	A	3.90	4	SPST-NC	SOP4	1500	50 Ω	.8 pF typ.	90 mA	350V	3.13	2.94	2.87	2.72
653-G3VM-353H1	G3VM-353H1	A	6.30	6	SPST-NC	SOP6	1500	50 Ω	.8 pF typ.	90 mA	350V	3.20	3.00	2.87	2.71
653-G3VM-353A	G3VM-353A	D	4.58	4	SPST-NC	Thru-hole	2500	25 Ω	100 pF typ.	150 mA	350V	4.80	4.68	4.44	3.96
653-G3VM-353B	G3VM-353B	D	7.12	6	SPST-NC	Thru-hole	2500	25 Ω	100 pF typ.	150 mA	350V	4.71	4.59	4.36	3.89
653-G3VM-355C	G3VM-355C	D	9.66	8	SPST-NO/SPST-NC	DIP8	2500	35 Ω	30 pF typ.	120 mA	350V	8.13	7.24	6.13	5.51
653-G3VM-352F	G3VM-352F	C	9.66	8	DPST-NO	SMT	2500	35 Ω	30 pF typ.	120 mA	350V	2.47	2.41	2.29	2.04
653-G3VM-352J	G3VM-352J	A	9.40	8	DPST-NO	SOP	1500	35 Ω	30 pF typ.	110 mA	350V	2.47	2.41	2.29	2.04
653-G3VM-352C	G3VM-352C	D	9.66	8	DPST-NO	Thru-hole	2500	35 Ω	30 pF typ.	120 mA	350V	2.47	2.41	2.29	2.04
653-G3VM-354C1	G3VM-354C1	D	9.66	8	DPST-NC	DIP8	2500	50 Ω	.8 pF typ.	100 mA	350V	5.82	5.47	5.33	5.05
653-G3VM-354F1	G3VM-354F1	C	9.66	8	DPST-NC	DIP8	2500	50 Ω	.8 pF typ.	100 mA	350V	7.20	6.90	6.42	6.20
653-G3VM-354J1	G3VM-354J1	A	9.40	8	DPST-NC	SOP8	1500	50 Ω	.8 pF typ.	90 mA	350V	6.37	6.21	5.89	5.26
653-G3VM-354C	G3VM-354C	D	9.66	8	DPST-NC	Thru-hole	2500	25 Ω	100 pF typ.	120 mA	350V	9.88	9.63	9.13	8.15
653-G3VM-401D	G3VM-401D	C	4.58	4	SPST-NO	SMT	2500	35 Ω	70 pF typ.	120 mA	400V	2.53	2.46	2.34	2.08
653-G3VM-401EY	G3VM-401EY	C	7.12	6	SPST-NO	SMT	5000	35 Ω	75 pF typ.	120 mA	400V	2.90	2.72	2.65	2.52
653-G3VM-401G	G3VM-401G	A	3.90	4	SPST-NO	SOP	1500	35 Ω	70 pF typ.	120 mA	400V	2.27	2.22	2.10	1.88
653-G3VM-401A	G3VM-401A	D	4.58	4	SPST-NO	Thru-hole	2500	35 Ω	70 pF typ.	120 mA	400V	2.53	2.46	2.34	2.08
653-G3VM-401B	G3VM-401B	D	7.12	6	SPST-NO	Thru-hole	2500	35 Ω	75 pF typ.	120 mA	400V	2.46	2.34	2.08	2.02
653-G3VM-401BY	G3VM-401BY	D	7.12	6	SPST-NO	Thru-hole	5000	35 Ω	75 pF typ.	120 mA	400V	2.82	2.65	2.58	2.45
653-G3VM-402J	G3VM-402J	A	9.40	8	DPST-NO	SOP	2500	35 Ω	70 pF typ.	120 mA	400V	3.26	2.97	2.89	2.82
653-G3VM-601EY	G3VM-601EY	C	7.12	6	SPST-NO	SMT	5000	35 Ω	100 pF typ.	100 mA	600V	4.92	4.80	4.55	4.06
653-G3VM-601G	G3VM-601G	A	3.90	4	SPST-NO	SOP	1500	60 Ω	30 pF typ.	90 mA	600V	5.28	4.84	4.38	3.94
653-G3VM-601BY	G3VM-601BY	D	7.12	6	SPST-NO	Thru-hole	5000	45 Ω	100 pF typ.	100 mA	600V	4.80	4.68	4.44	3.96