

PANASONIC PhotoMos Relays

Panasonic

Panasonic Electric Works Corporation of America



This product is RoHS compliant.

Panasonic PhotoMOSTM relays offer high reliability with stable performance. Fast switching speed, low capacitance and small package size ensure that PhotoMOS relays meet the requirements of high performance switching applications, such as ATE, Instrumentation and Medical equipment.

AQV414S SERIES

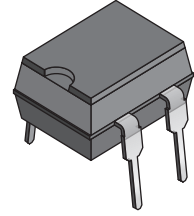
- 1 channel (Form B) in super miniature design
- Controls low-level analog signals
- Low on resistance (Max. 50 Ω) at 400V for normally-closed type
- Low-level thermal electromotive force (Approx. 1μV)
- Low-level off state leakage current



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQV414S	AQV414S	SOP-6	100	400	1 Form B	4.40	3.40	3.18	3.05



DIP-4

AQV45 SERIES

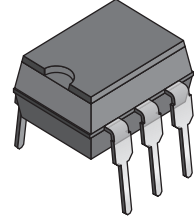
- Controls low-level analog signals
- High sensitivity, low ON resistance
- Reinforced insulation 5,000V type
- Low-level thermal electromotive force (Approx. 1μV)



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MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQV453A	AQV453A	DIP-6	200	250	1 Form B	6.98	6.41	5.69	4.83



DIP-6

AQY21 EH SERIES

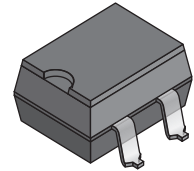
- Reinforced insulation 5,000V type
- High sensitivity, low ON resistance
- Controls low-level analog signals
- Low-level off state leakage current



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MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
Through-Hole Type									
769-AQY210EH	AQY210EH	DIP-4	130	350	1 Form A	2.77	2.66	2.36	2.00
SMD Type									
769-AQY210EHA	AQY210EHA	SMD-4	130	350	1 Form A	2.83	2.66	2.33	2.00
769-AQY214EHA	AQY214EHA	SMD-4	120	400	1 Form A	2.09	1.91	1.70	1.45



SMD-4

AQY21 KS SERIES

- Short circuit protection (Latch type)
- Controls low-level analog signals
- Low-level off state leakage current
- SO package 4-Pin type in super miniature design



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						1	25	50	100
769-AQY210KS	AQY210KS	SOP-4	120	350	1 Form A	5.75	5.28	4.80	4.26

AQY21 S SERIES

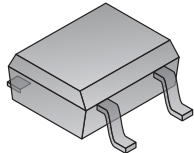
- Controls low-level analog signals
- Low-level off state leakage current



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MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY210S	AQY210S	SOP-4	120	350	1 Form A	4.13	3.54	3.34	3.08
769-AQY212S	AQY212S	SOP-4	120	400	1 Form A	5.17	4.74	4.21	3.58
769-AQY214S	AQY214S	SOP-4	100	400	1 Form A	4.50	4.13	3.66	3.11



SOP-4

AQY212GH SERIES

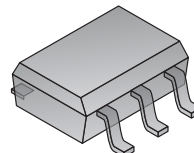
- Greatly increased load current
- Reinforced insulation 5,000V type
- Greatly improved specs allow you to use this in place of mercury and mechanical relays.



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MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY212GH	AQY212GH	DIP-4	1.1A	60	1 Form A	4.82	4.42	4.02	3.52



SOP-6

AQY212GS SERIES

- Greatly increased load current in the same, miniature, 4-pin SO package
- Greatly improved specs allow you to use this in place of mercury and mechanical relays.



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						1	25	50	100
769-AQY212GS	AQY212GS	SOP-4	1000	60	1 Form A	5.22	4.78	4.49	3.81

AQY221N1S SERIES

- Low output capacitance between output terminals and low ON resistance
- High speed switching
- Low-level off state leakage current
- Controls low-level analog signals
- Low thermal electromotive force (Approx. 1μV)



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MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	25	50	100
769-AQY221N2SX	AQY221N2SX	SOP-4	120	40	1 Form A	6.65	5.99	5.32	4.79

AQY221 2S SERIES

- R type (AQY221R2S) offers greatly reduced ON resistance.
- C type (AQY221N2S) offers lower output capacitance.
- Low-level off state leakage current of 10pA
- High speed switching



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						1	25	50	100
769-AQY221N2S	AQY221N2S	SOP-4	120	40	1 Form A	6.67	6.12	5.43	4.62
769-AQY221R2S	AQY221R2S	SOP-4	250	40	1 Form A	6.13	5.52	5.01	4.49