

# 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.

## AQW21 SERIES

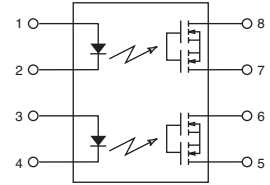
- Controls low-level analog signals
- High sensitivity, high speed response
- Low-level off state leakage current
- Low-level thermal electromotive force (Approx. 1μV)
- Stable ON resistance.



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
<b>Through-Hole Type</b>									
769-AQW212	AQW212	DIP-8	500	60	2 Form A	6.82	6.26	5.56	4.72
769-AQW214	AQW214	DIP-8	100	400	2 Form A	6.49	6.26	5.56	4.72
769-AQW215	AQW215	DIP-8	300	100	2 Form A	6.82	5.72	5.56	4.72
769-AQW216	AQW216	DIP-8	40	600	2 Form A	6.82	5.72	5.56	4.72
<b>SMD Type</b>									
769-AQW212A	AQW212A	SMD-8	500	60	2 Form A	6.82	6.26	5.56	4.72
769-AQW214A	AQW214A	SMD-8	100	400	2 Form A	6.82	6.26	5.56	4.72
769-AQW216A	AQW216A	SMD-8	40	600	2 Form A	6.82	6.26	5.56	4.72
769-AQW217A	AQW217A	SMD-8	160	200	2 Form A	6.82	5.72	5.56	4.72



## AQW21 EH SERIES

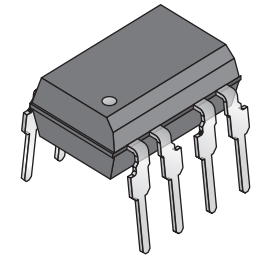
- Reinforced insulation 5,000V type
- Compact 8-pin DIP size
- High sensitivity, high speed response
- Low-level off state leakage current
- Controls low-level analog signals



RoHS Compliant

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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
<b>Through-Hole Type</b>									
769-AQW210EH	AQW210EH	DIP-8	120	350	2 Form A	5.34	5.13	4.55	3.86
769-AQW214EH	AQW214EH	DIP-8	100	400	2 Form A	5.92	5.43	4.83	4.10
<b>SMD Type</b>									
769-AQW210EHA	AQW210EHA	SMD-8	120	350	2 Form A	5.58	5.13	4.55	3.86
769-AQW216EHA	AQW216EHA	SMD-8	40	600	2 Form A	5.40	4.53	4.40	3.74



DIP-8

## AQW21 S SERIES

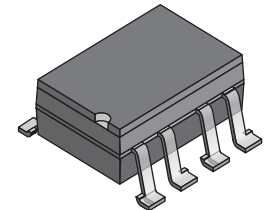
- 2 channels in super miniature design
- Low-level off state leakage current
- Controls low-level analog signals



RoHS Compliant

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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-AQW214S	AQW214S	SOP-8	80	400	2 Form A	7.29	6.69	5.94	5.05
769-AQW210S	AQW210S	SOP-8	120	350	2 Form A	6.69	5.75	5.45	5.05



SMD-8

## AQW414 SERIES

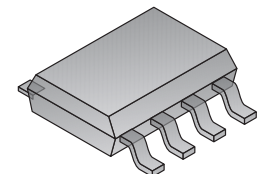
- Low-level thermal electromotive force (Approx. 1μV)
- Controls load currents up to 0.13A with an input current of 5mA
- Extremely low closed-circuit offset voltages to enable control of small
- High speed switching: operate time typical of 300μs



RoHS Compliant

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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
<b>Through-Hole Type</b>									
769-AQW414	AQW414	DIP-8	100	400	2 Form B	8.53	7.83	6.96	5.91
<b>SMD Type</b>									
769-AQW414A	AQW414A	SMD-8	100	400	2 Form B	8.53	7.83	6.96	5.91



SOP-8

## AQW414 EH SERIES

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



RoHS Compliant

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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
<b>Through-Hole Type</b>									
769-AQW414EH	AQW414EH	DIP-8	100	400	2 Form B	7.36	6.76	6.01	5.10
<b>SMD Type</b>									
769-AQW414EHA	AQW414EHA	SMD-8	100	400	2 Form B	6.01	5.10	4.89	4.50

## AQW614 SERIES

- Low-level thermal electromotive force (Approx. 1μV)
- Controls load currents up to 0.13A
- High speed switching: operate time of 300μs typical
- Stable ON resistance



RoHS Compliant

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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
<b>Through-Hole Type</b>									
769-AQW614	AQW614	DIP-8	100	400	1 Form A / 1 Form B	7.68	7.26	6.96	5.91
<b>SMD Type</b>									
769-AQW614A	AQW614A	SMD-8	100	400	1 Form A / 1 Form B	8.12	7.83	6.96	5.91

## AQW654 SERIES

- Controls low-level analog signals
- High sensitivity, low ON resistance
- Low-level off state leakage current
- Low-level thermal electromotive force (Approx. 1μV)



RoHS Compliant

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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-AQW654A	AQW654A	SMD-8	120	400	1 Form A / 1 Form B	10.52	9.66	8.58	7.29