

PANASONIC PhotoMos Relays



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Panasonic PhotoMOS™ 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.

AQY221R6 SERIES

- Low on-resistance (R type) • On resistance (Typical) : 0.18Ω • Output Capacitance (Typical) : 37.5pF

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY221R6V	AQY221R6V	SSOP-4	1	30	1 Form A (SPST)	10.12	8.26	7.02	6.19

AQY2C SERIES

- Super miniature TSON package contributes to space savings and high density mounting
- Guaranteed performance at high temperature (Max. 105°C/221°F)
- Voltage driving type (3V to 5V)
- Low current consumption (input current: Max. 0.2mA)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY2C1R2P	AQY2C1R2P	TSON	30	40	1 Form A (SPST)	13.47	11.00	9.35	8.25
769-AQY2C1R6P	AQY2C1R6P	TSON	75	30	1 Form A (SPST)	14.45	11.80	10.03	8.85

AQY2 GS SERIES

- Continuous load current: Max. 1.6A high capacity (AQY211G2S)
- Broad lineup of high capacity types
- Low on resistance: typical 0.1 Ω (AQY211G2S)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Tape/Reel Package Style	Price Each			
							1	10	100	500
769-AQY211G2S	AQY211G2S	SOP-4	1.6 A	40	1 Form A (SPST)	Tube	9.19	7.51	6.25	5.52
769-AQY211G2SX	AQY211G2SX	SOP-4	1.6 A	40	1 Form A (SPST)	1/2 pin side; Tape/Reel	9.02	8.65	6.26	5.52

AQY221N1S SERIES

- Low output capacitance between output terminals and low ON resistance
- High speed switching
- Controls low-level analog signals
- Low thermal electromotive force (Approx. 1μV)
- 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	10	100	500
769-AQY221N2SX	AQY221N2SX	SOP-4	120	40	1 Form A (SPST)	7.34	6.00	5.10	4.50

AQY221 2S SERIES

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

For quantities greater than listed, call for quote.

769-AQY221N2S	AQY221N2S	SOP-4	120	40	1 Form A (SPST)	7.55	6.93	5.24	4.62
769-AQY221R2S	AQY221R2S	SOP-4	250	40	1 Form A (SPST)	7.35	6.75	5.10	4.50

AQY221R2T SERIES

- Tape and Reel packing style: AQY221R2TY-Picked from the 1 and 4-pin side
- VSSOP type with further reduction in mounting area
- Low on resistance (R type) available
- Low on resistance and low output capacitance available at CxR10

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY221R2TY	AQY221R2TY	VSSOP	250	40	1 Form A (SPST)	13.52	11.04	9.38	8.28

AQY212GH SERIES

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY212GH	AQY212GH	DIP-4	1.1A	60	1 Form A (SPST)	5.78	4.72	4.02	3.54

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY212GS	AQY212GS	SOP-4	1000	60	1 Form A (SPST)	6.25	5.74	4.34	3.83

AQY21 KS SERIES

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY210KS	AQY210KS	SOP-4	120	350	1 Form A (SPST)	6.96	6.39	4.83	4.26

AQY21 EH SERIES

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500

Through-Hole Type

769-AQY210EH	AQY210EH	DIP-4	130	350	1 Form A (SPST)	3.80	3.10	2.64	2.33
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SMD Type

769-AQY214EHA	AQY214EHA	SMD-4	120	400	1 Form A (SPST)	3.33	2.72	2.32	2.04
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AQY21 S SERIES

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY210S	AQY210S	SOP-4	120	350	1 Form A (SPST)	5.61	4.58	3.90	3.44
769-AQY212S	AQY212S	SOP-4	120	400	1 Form A (SPST)	5.86	4.78	4.07	3.59
769-AQY214S	AQY214S	SOP-4	100	400	1 Form A (SPST)	5.61	4.58	3.90	3.44

AQY22(T) SERIES

- Low on resistance and low output capacitance available
- 4.6mm² mounting area achieved. Approx. 29% less than previous product (SON type)

For quantities greater than listed, call for quote.

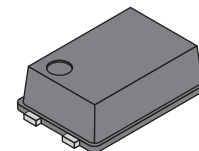
769-AQY222R2T	AQY222R2T	VSSOP	400	60	1 Form A (SPST)	12.17	9.94	8.45	-
769-AQY225R3T	AQY225R3T	VSSOP	120	100	1 Form A (SPST)	12.17	9.94	8.45	-

AQY22(V) SERIES

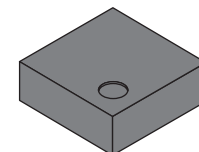
- Low on resistance and low output capacitance available
- 80V and 100V load voltage type: 0.05 ms (typical)

For quantities greater than listed, call for quote.

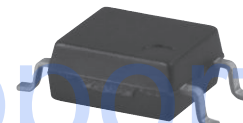
MOUSER STOCK NO.	Panasonic Part No.	Package Style	Current Rating (mA)	Max. Load Voltage (V)	Contact Arrangement	Price Each			
						1	10	100	500
769-AQY222R2V	AQY222R2V	SSOP-4	400	60	1 Form A (SPST)	7.57	6.18	5.25	4.63
769-AQY225R3V	AQY225R3V	SSOP-4	120	100	1 Form A (SPST)	7.57	6.18	5.25	4.63



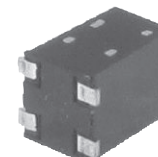
SSOP-4



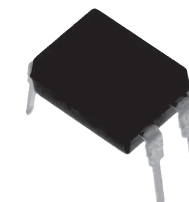
TSON



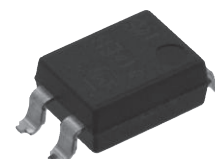
SOP-4



VSSOP



DIP-4



SMD-4