

# PANASONIC Solid State Relays



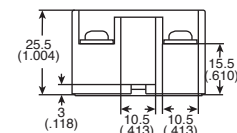
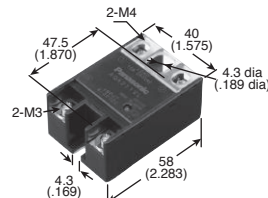
**This page of product is RoHS compliant.**

# Panasonic

**AQ-A SERIES - DC CONTROL SOLID STATE RELAYS**

### Features:

- Mounting pitch 47.5mm 1.870 inch Internal diode protects element on output side
- With LED indication for operation status verification
- Compact Size W 40 × L 58 × H 25.5mm
- With terminal cover for safety (output side only).
- Circuit: SPST-NO (1 Form A)
- Mounting Type: Chassis Mount or Panel Mount
- On-State Resistance: 20mΩ
- Package/Case: Hockey Puck
- Packaging: Bulk
- Termination Style: Screw Terminal



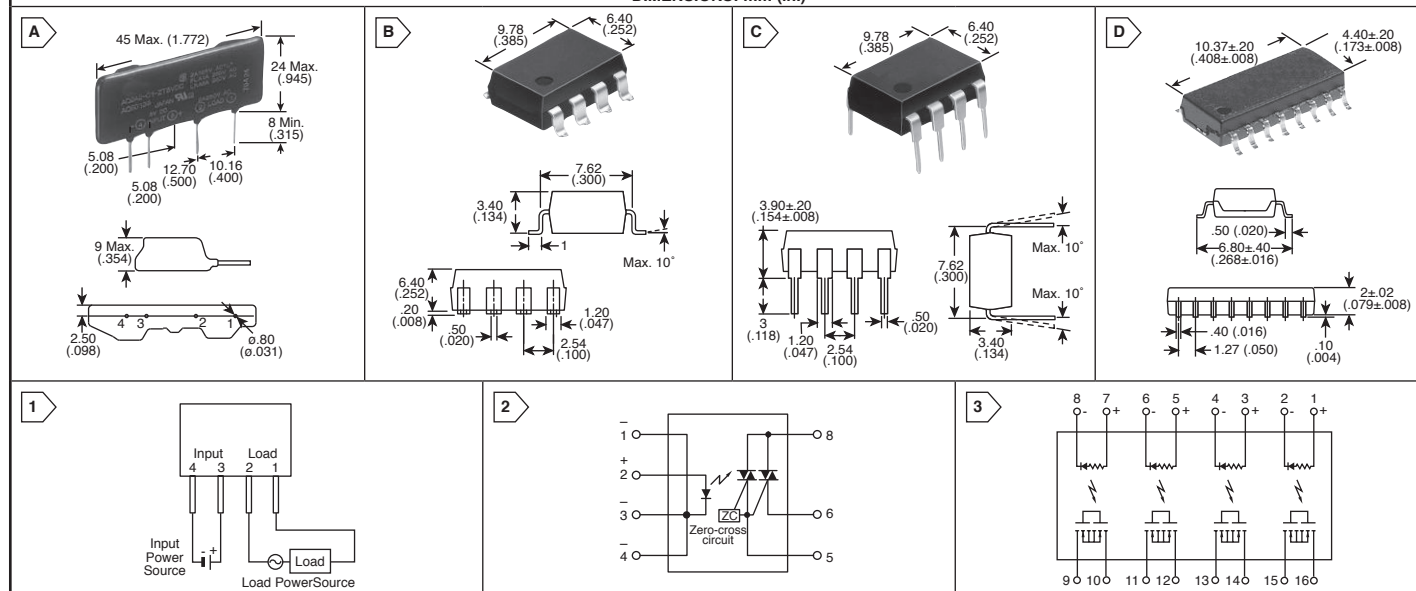
**DIMENSIONS:** mm (in.)

\* Operate Time : Max. 5ms / Release Time: Max. 1ms

MOUSER STOCK NO.	Panasonic Part No.	Output Current (A)	Input Voltage Range (VDC)	Load Voltage (VDC)	Mounting Style	Price Each			
						1	10	100	500
769-AQAD551DL	AQAD551DL	30	4-32	100	DIN Rail	107.48	103.10	74.58	63.62
* 769-AQAD171DL	AQAD171DL	10	4-32	600	Din Rail	101.36	97.22	70.33	59.99

**For quantities greater than listed, call for quote.**

**DIMENSIONS:** mm (in.)



## AQ8 SERIES SIL TYPE - SOLID STATE RELAYS

### Features:

- Slim
- Excellent in noise resistance
- Snubber circuit integrated
- High dielectric strength
- Two kinds of terminals distance are available
- High reliability
- Long life
- Maintenance free

**Specifications:**

- Circuit: SPST-NO (1 Form A)
- Load Current: 2A
- Mounting Type: Through Hole
- Package / Case: 4-SIP
- Packaging: Bulk
- Relay Type: Relay
- Supplier Device Package: 4-SIL
- Termination Style: PC Pin

**Typical Application:**

- Printing machines
- Packing machines
- Traffic signal control
- Automatic ticket punchers
- Terminal equipment of data processing
- Computer peripherals
- NC machines

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Max. Load Current (A)	Voltage (VDC)	Load Voltage (VAC)	Price Each			
						1	10	100	500
769-AQ2A2-C1-T24VDC	AQ2A2-C1-T24VDC	A1	Random turn ON, zero-cross turn OFF	24	75-250	12.27	11.78	8.52	7.52
769-AQ2A2-C1-T5VDC	AQ2A2-C1-T5VDC	A1	Random turn ON, zero-cross turn OFF	5	75-250	12.27	11.78	8.52	7.52
769-AQ2A2-C1-T12VDC	AQ2A2-C1-T12VDC	A1	Random turn ON, zero-cross turn OFF	12	750-250	12.27	11.78	8.52	7.52
769-AQ2A2-C1-ZT24VDC	AQ2A2-C1-ZT24VDC	A1	Zero-cross (Turn ON and Turn OFF)	24	750-250	15.58	14.95	10.82	9.54
769-AQ2A2-C1-ZT5VDC	AQ2A2-C1-ZT5VDC	A1	Zero-cross (Turn ON and Turn OFF)	5	750-250	15.58	14.95	10.82	9.54

For quantities greater than listed, call for quote.

## AQ-H SERIES - COMPACT, DIP TYPE, AC LOAD SOLID STATE RELAYS

### Features:

- Handles both 100 and 200VAC loads
- High dielectric strength: 5,000VAC (between input and output)
- Supports 0.3A, 0.6A, 0.9A and 1.2A ON-state RMS currents
- The 1.2 A type saves space with a DIP 8-pin package

**Typical Application:**

- Home appliances
- Industrial equipment market

MOUSER STOCK NO.	Panasonic Part No.	Fig.	RMS Current (A)	Type	Terminal Type	Price Each			
						1	10	100	500
769-AQH1213	AQH1213	B2	0.6	Zero-Cross	Thru-Hole	1.94	1.58	1.35	1.19
769-AQH2213	AQH2213	B2	0.9	Zero-Cross	Thru-Hole	2.03	1.66	1.42	1.25
769-AQH2223	AQH2223	B2	0.9	Random	Thru-Hole	2.13	1.74	1.48	1.31
769-AQH1223	AQH1223	B2	0.6	Random	Thru-Hole	1.98	1.62	1.38	1.22
769-AQH2213A	AQH2213A	C2	0.9	Zero-Cross	SMD	2.03	1.66	1.42	1.25
769-AQH1213A	AQH1213A	C2	0.6	Zero-Cross	SMD	1.94	1.58	1.35	1.19
769-AQH1223A	AQH1223A	C2	0.6	Random	SMD	1.98	1.62	1.38	1.22
769-AQH2223A	AQH2223A	C2	0.6	Random	SMD	2.13	1.74	1.48	1.31

For quantities greater than listed, call for quote.

## AQS SERIES - PHOTOMOS SURFACE MOUNT, GULL WING SOLID STATE RELAYS

### Features:

- Built-in input resistor means less man-hours mounting
- Wide variety small package
- Saves space on Board
- Terminal type: SMD

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Load Voltage	Load Current	Power Disposition	Price Each			
						1	10	100	500
769-AQS221FR2S	AQS221FR2S	D3	40	.16A	260mW	38.75	31.64	26.89	23.72
769-AQS221FN2S	AQS221FN2S	D3	40	.06A	260mW	35.79	29.22	24.83	21.91
769-AQS225R2S	AQS225R2S	D3	80	70mA	75mW	30.03	24.52	20.84	18.38

**For quantities greater than listed, call for quote.**