



# Relays & Solenoids

## NAIS\_PCB Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



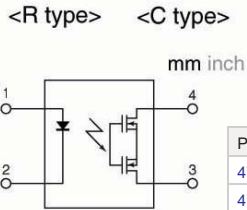
### TYPICAL APPLICATIONS

#### Measuring and testing equipment

- 1. Testing equipment for semiconductor performance**  
IC tester, Liquid crystal driver tester, semiconductor performance tester
- 2. Board tester**  
Bare board tester, In-circuit tester, function tester

#### 3. Medical equipment

- Ultrasonic wave diagnostic machine
- 4. Multi-point recorder**  
Warping, thermo couple



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Type
47357	AQY221N2S	NAIS	NAIS_RF PhotoMOS RELAY	40V / 120 mA	40V	UL,C-UL	AQY221N2S
47356	AQY221R2S	NAIS	NAIS_RF PhotoMOS RELAY	40V / 250 mA	40V	UL,C-UL	AQY221R2S

### FEATURES

#### 1. Reduced package size

Lower surface has been reduced 60% and mounting space 40% compared to conventional 4-pin SOP type.

#### 2. Two types are available: A type with greatly reduced ON resistance, and a type with even lower output capacitance between terminals.

	AQY221R2V ( R Style)	AQY221N2V ( C Style)
Output capacitance: C	12.5pF	1.0pF
On resistance: R	0.75Ω	9.5Ω

#### 3. Mounting space has been reduced and output signals have been improved by using new flat lead terminals.

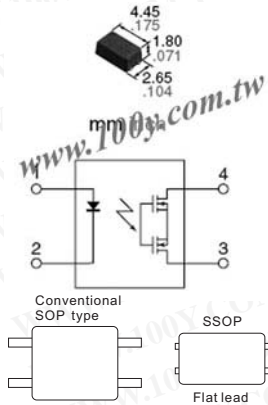
#### 4. High speed switching (Part No.: AQY221N2V)

- Turn on time: 0.02ms
- Turn off time: 0.02ms

### TYPICAL APPLICATIONS

#### Measuring and testing equipment

- Test equipment  
IC tester, Liquid crystal driver tester, semiconductor performance tester
- Board tester  
Bare board tester, In-circuit tester, function tester
- Medical equipment  
Ultrasonic wave diagnostic machine
- Multi-point recorder  
Strainmeter, thermo couple



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
47355	AQY221N2VY	NAIS	NAIS_RF PhotoMOS RELAY	(1 Form A)	40V / 120 mA	40V	UL,C-UL	AQY221N2VY
47354	AQY221R2VY	NAIS	NAIS_RF PhotoMOS RELAY	(1 Form A)	40V / 250 mA	40V	UL,C-UL	AQY221R2VY

### FEATURES

#### 1. Reduced package size

Lower surface has been reduced 60% and mounting space 40% compared to conventional 4-pin SOP type.

#### 2. Lower output capacitance and on-resistance

Output capacitance (C): 1.0pF (typ.)  
ON resistance(R): 5.5Ω (typ.)

#### 3. Mounting space has been reduced and output signals have been improved by using new flat lead terminals.

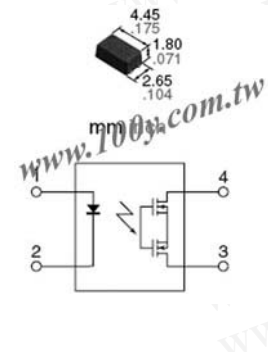
#### 4. High speed switching

- Turn on time: 0.02ms
- Turn off time: 0.02ms

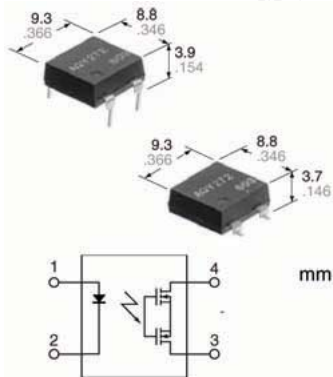
### TYPICAL APPLICATIONS

#### Measuring and testing equipment

- Test equipment  
IC tester, Liquid crystal driver tester, semiconductor performance tester
- Board tester  
Bare board tester, In-circuit tester, function tester
- Medical equipment  
Ultrasonic wave diagnostic machine
- Multi-point recorder  
Warping, thermo couple



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
47353	AQY221N3VY	NAIS	NAIS_RF PhotoMOS RELAY	1 Form A	25V / 150 mA	25V	UL,C-UL	AQY221N3VY



### FEATURES

#### 1. Flat-Packaged Type (W) 8.8× (D) 9.3× (H) 3.9mm (W)

.346× (D) .366× (H) .154inch

#### 2. High capacity

Supports the various types of load control, from very small loads to a maximum 2A at the rated load voltage 60V (AQY272)

#### 3. High sensitivity

- Low ON resistance

A maximum 2A load can be controlled with a 5mA input current.

The ON resistance is low at 0.11Ω (AQY272)

### TYPICAL APPLICATIONS

- Measuring and Testing equipment
- IC Testers and Board Testers
- High speed inspection machines



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
4741 3	AQY272	NAIS	NAIS_PD PhotoMOS RELAY	1Form A	60V / 2.0A	60V	UL(E43149),C-UL	(W) 8.8× (D) 9.3×(H) 3.9mm	AQY272
47418	AQY274	NAIS	NAIS_PD PhotoMOS RELAY	1Form A	400V / 0.35A	400V	UL(E43149),C-UL	(W) 8.8× (D) 9.3×(H) 3.9mm	AQY274
47414	AQY275	NAIS	NAIS_PD PhotoMOS RELAY	1Form A	100V / 1.3A	100V	UL(E43149),C-UL	(W) 8.8× (D) 9.3×(H) 3.9mm	AQY275
47416	AQY277	NAIS	NAIS_PD PhotoMOS RELAY	1Form A	200V / 0.65A	200V	UL(E43149),C-UL	(W) 8.8× (D) 9.3×(H) 3.9mm	AQY277

