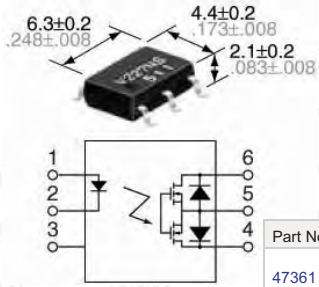




Relays & Solenoids

NAIS_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



4. Controls low-level analog signals

PhotoMOS relays feature extremely low closed-circuit offset voltage to enable control of low-level analog signals without distortion.

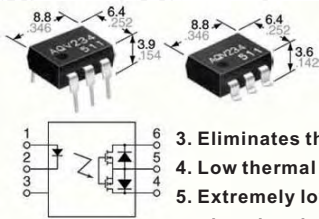
5. Tape and reel

The device comes standard in a tape and reel (1,000 pcs./reel) to facilitate automatic insertion machines.

TYPICAL APPLICATIONS

- Telephones
- Measuring instruments
- Computer
- Industrial robots
- High-speed inspection machines

Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
47361	AQV224NS	NAIS	NAIS_RF PhotoMOS RELAY	400V / 40 mA	400V	UL(E43149),C-UL	(W) 4.4 × (L) 6.3×(H) 2.1 mm	AQV224NS
47360	AQV227NS	NAIS	NAIS_RF PhotoMOS RELAY	200V / 50 mA	200V	UL(E43149),C-UL	(W) 4.4 × (L) 6.3×(H) 2.1 mm	AQV227NS



FEATURES

1. High sensitivity type
LED operate current: typical 0.31 mA
2. Low-level off state leakage current (Typical 1 µA at 400 V load voltage)
3. Eliminates the need for a power supply to drive the power MOSFET
4. Low thermal electromotive force (Approx. 1 µV)
5. Extremely low closed-circuit offset voltages to enable control of small analog signals without distortion

6. Eliminates the need for a counter electromotive force protection diode in the drive circuits on the input side

7. Stable on resistance to help simplify circuit design

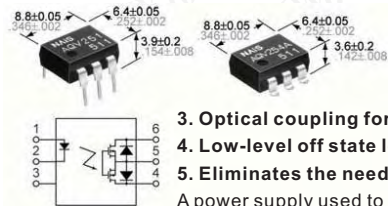
8. Surface-mount model available

TYPICAL APPLICATIONS

1. High-speed inspection machines
 - Scanner
 - IC checker
 - Board tester
2. Telephone and data communication equipment



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Type
47412	AQV234	NAIS	NAIS_HS PhotoMOS RELAY	400V 120 mA	400V	UL(E43149),C-UL	AQV234



FEATURES

1. Highly sensitive and low on-resistance
2. Controls various types of loads such as relays, motors, lamps and solenoids.
3. Optical coupling for extremely high isolation 5,000 Vrms I/O isolation available.
4. Low-level off state leakage current
5. Eliminates the need for a power supply to drive the power MOSFET

A power supply used to drive the power MOSFET is unnecessary because of the built-in optoelectronic device. This results in easy circuit design and small PC board area.

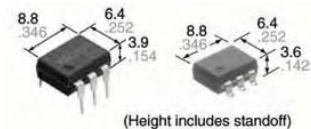
6. Low thermal electromotive force (Approx. 1 µV)

TYPICAL APPLICATIONS

- High-speed inspection machines
- Telephone equipment
- Data communication equipment



Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
30817	AQV251	NAIS	PhotoMOS RELAY	1-Channel (Form A)	Form A	40V		AQV
4737 2	AQV252	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	60V / 400 mA	60V	UL(E43149),C-UL	AQV252
47376	AQV253	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	250V / 200 mA	250V	UL(E43149),C-UL	AQV253
47380	AQV253H	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	250V / 200 mA	250V	UL(E43149),C-UL,BSI,VDE	AQV253H
47377	AQV254	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	400V / 150 mA	400V	UL(E43149),C-UL	AQV254
47381	AQV254H	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	400V / 150 mA	400V	UL(E43149),C-UL,BSI,VDE	AQV254H
47373	AQV255	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	100V / 350 mA	100V	UL(E43149),C-UL	AQV255
47374	AQV257	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	200V / 250 mA	200V	UL(E43149),C-UL	AQV257
47379	AQV258	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	1500V / 20 mA	1500V	UL(E43149),C-UL	AQV258
47378	AQV259	NAIS	NAIS_HE PhotoMOS RELAY	1 Form A	1000V / 30 mA	1000V	UL(E43149),C-UL	AQV259



FEATURES

1. Greatly increased load current in the same package size.
2. Greatly improved specs allow you to use this in place of mercury and mechanical relays.

TYPICAL APPLICATIONS

- Crime and fire prevention market (use in I/O for alarm and security devices, etc.)
- Amusement market
- Measuring instrument market (circuit testers, etc.)



Part No.	Product No.	Manufacturer	Description	Contact Rating	Coil Voltage	Recognized Safety	Type
47367	AQV252G	NAIS	NAIS_HE PhotoMOS RELAY	60V / 2.5 A	60V	UL,C-UL,VDE	AQV252G

• If you cannot find the components you want on the catalogue, please call us.



Taiwan: 886-3-5753170

Shanghai: 021-54151736 Shenzhen: 0755-83298787

Centenary Materials

Waiting for your phone call



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