



## Panasonic Electric Works

### General Information

<b>Kit Part Number:</b>	<a href="#">231-1013</a>
<b>Description:</b>	SOP, DIP, SIL Package Configuration PhotoMOS Relays Kit
<b>Application:</b>	Data Communications, Game Machines, Industrial Machines, Medical Equipment, Office Equipment, Railway, Robots, Security Systems, Telecommunications, Traffic
<b>Series:</b>	PhotoMOS Relays
<b>Solution:</b>	Optical Isolation
<b>Product Type:</b>	Relays
<b>Number of Pieces:</b>	18
<b>RoHS:</b>	Yes

### Specifications

<b>Form Factor:</b>	1 Form A, 4 Form A
<b>Leakage Current:</b>	1 $\mu$ A, 10 $\mu$ A, 10nA
<b>Load Current:</b>	0.06A, 0.07A, 0.12A, 0.18A, 0.25A, 0.5A, 1A, 1.1A, 2A, 3A
<b>Load Voltage:</b>	40V, 60V, 80V, 100V, 200V, 350V, 400V
<b>Package Size:</b>	SOP4-pin, SIL4-pin, DIP4-pin, DIP6-pin, SOP16-pin

### Product Highlights

PhotoMOS, Panasonic's brand of semiconductor relays, have LED as an input with MOSFET for an output. PhotoMOS relays help realize high-performance and small-footprint equipment. Panasonic Electric Works offers a wide range of PhotoMOS relays ideal for measurement, telecommunication, security and industrial control equipment.

#### Features and Benefits

- Various form factors
- Low on resistance
- Reinforced insulation
- Controls low level analog signals
- Low level input signals

#### Applications

- Railway
- Traffic
- Robots
- Industrial Machines
- Office Equipment
- Telecommunications
- Security Systems
- Game Machines
- Data Communications
- Medical Equipment



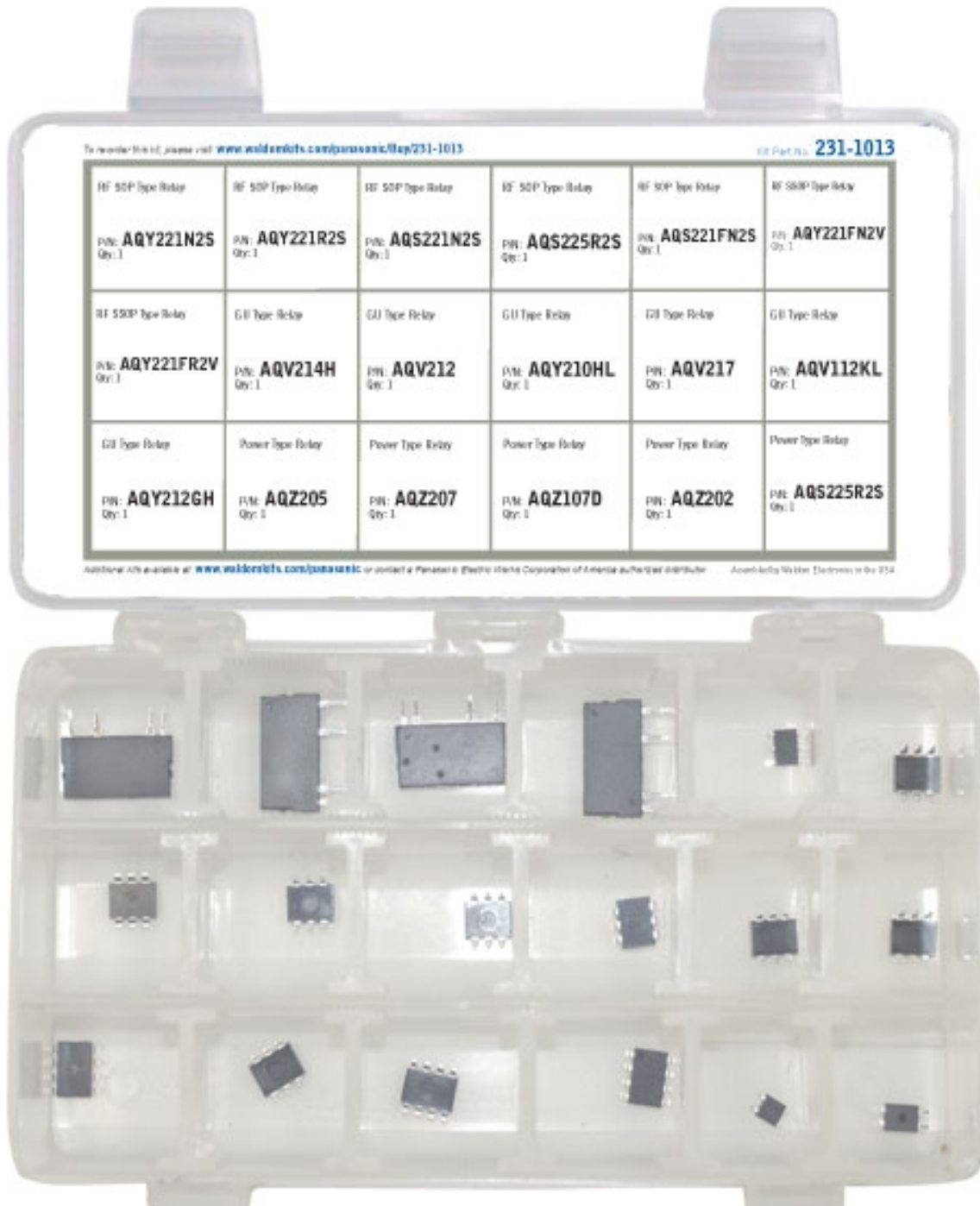
Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
<a href="#">AQY221N2S</a>	1	RF SOP 1 Form A CxR10 Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQY221R2S</a>	1	RF SOP 1 Form A CxR10 PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQS221N2S</a>	1	RF SOP 4 Form A CxR10 PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQS225R2S</a>	1	RF SOP 4 Form A High Capacity PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQS221FN2S</a>	1	RF SOP 4 Form A CxR10 PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQY221FN2V</a>	1	RF SSOP CxR10 PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQY221FR2V</a>	1	RF SSOP 1 Form A CxR10 Voltage Sensitive PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQV214H</a>	1	GU 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQV212</a>	1	GU 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQY210HL</a>	1	GU 1 Form A Current Limiting PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQV217</a>	1	GU 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQV112KL</a>	1	GU 1 Form A with Short Circuit Protecting Non-latch PhotoMOS...	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQY212GH</a>	1	GU 1 Form A High Capacity PhotoMOS Relays	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQZ205</a>	1	Power 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQZ207</a>	1	Power 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQZ107D</a>	1	Power 1 Form A Voltage Sensitive DC Type Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQZ202</a>	1	Power 1 Form A PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">AQZ264</a>	1	Power 1 Form A High Capacity PhotoMOS Relay	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>

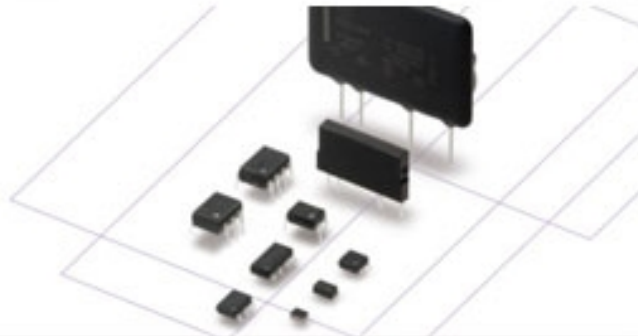
**Recommended Tool**

**Part No.**

**Included in Kit**







PhotoMOS Relays

## Panasonic

Panasonic Electric Works Corporation of America

Kit Part No. **231-1013**

### PhotoMOS Relay Kit

Deluxe 1 Form A SOP, DIP, SIL Package Configuration  
PhotoMOS Relays

- 0.06, 0.07, 0.12, 0.18, 0.25, 0.5, 1, 1.1, 2, 3 Amps; 40, 60, 80, 100, 200, 350, 400 Volts
- DIP4-pin, DIP6-pin, SOP4-pin, SOP16-pin, SIL4-pin Package Size
- 1 Form A, 4 Form A Output Configuration
- 1  $\mu$ A, 10  $\mu$ A, 10 mA Leakage Current
- High Dielectric Strength
- Low On Resistance
- Low Output Capacitance

Product information available at: <http://pewa.panasonic.com>

Additional kits available at: [www.waldomkits.com/panasonic](http://www.waldomkits.com/panasonic)

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**18**  
pieces



Product from Panasonic.  
Kits designed and assembled  
by Waldem Electronics.