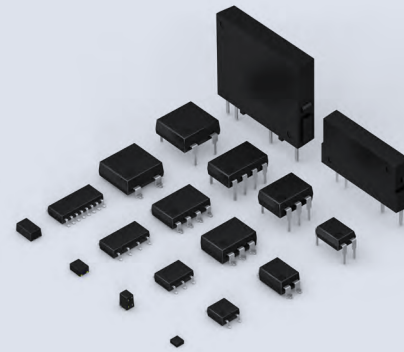


Panasonic
INDUSTRY














General PhotoMOS®
Product Information

**IN Your
Future**



Your Committed Enabler

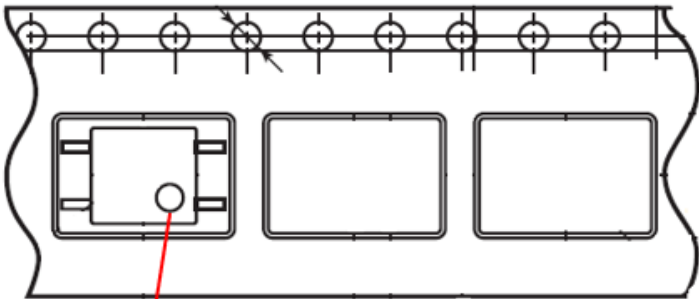
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Type	Packaging Types	MOQ	
TSON Thin Small Outline No lead Package		Tape without reel + Reel	100 / 1k / 3.5k
VSSOP Very Shrink Small Outline Package		Tape without reel + Reel	200 / 1k
SON Small Outline No lead Package		Tape without reel + Reel	500 / 1k / 3.5k
SSOP Shrink Small Outline Package		Tube + Reel	100 / 150 / 1k / 3.5k
SOP Small Outline Package	 SOP4pin  SOP6pin  SOP8pin  SOP16pin	Tube + Reel	SOP4: 100 / 1k SOP6: 50 / 75 / 1k
DIP Dual Inline Package	 DIP4pin  DIP6pin  DIP8pin	Tube + Reel	DIP4: 100 / 1k DIP6: 50 DIP8: 100
Power-DIP Power Dual Inline Package	 Power-DIP	Tube + Reel	DIP4: 50 / 100 / 1k DIP6: 50 / 1k DIP8: 100 / 1k
SIL Single Inline Package	 SIL4pin	Tube	20 / 25

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Tape & Reel Packaging

Direction of picking

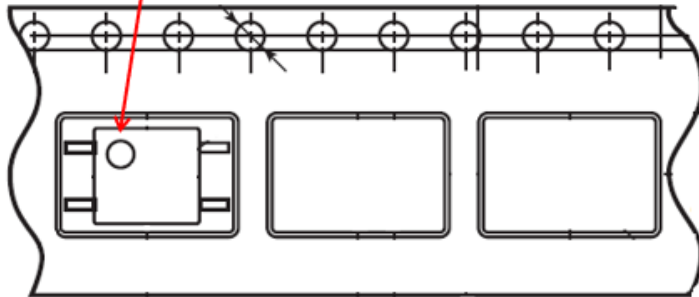


X or **Y**

Picked from 1/2 side

X: SOP, DIL-SMD

Y: VSSOP, SON, SSOP



Z or **W**

Picked from 3/4 side (Rotated by 180°)

Z: SOP, DIL-SMD

W: VSSOP, SON, SSOP

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Example AQY221N2V

AQY221N2V



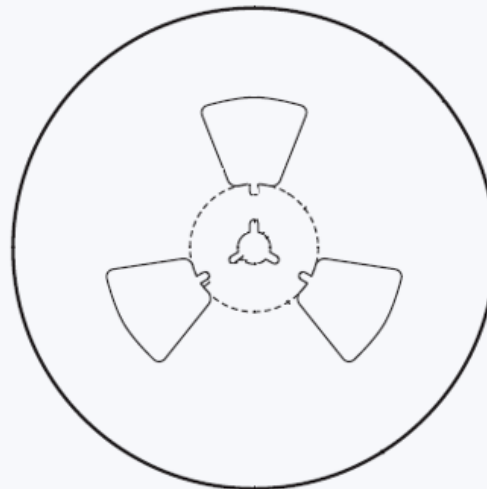
150 in Tube



AQY221N2V**1Y**

AQY221N2V**Y**

AQY221N2V**W**



1k on Reel*

*Same dimension as 3.5k reel

3.5k on Reel

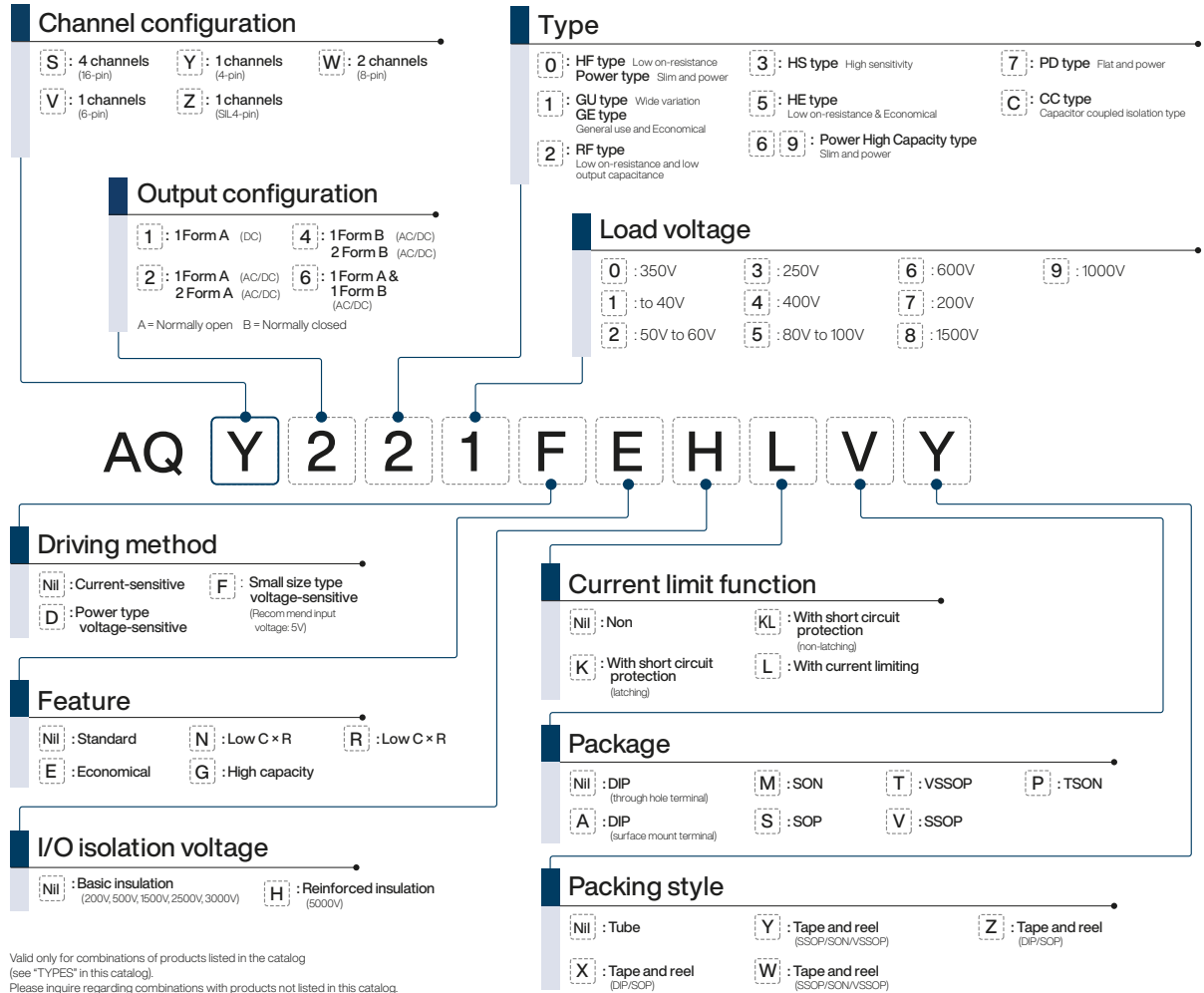
Picked from 1/2 side

3.5k on Reel

Picked from 1/2 side

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Ordering Information



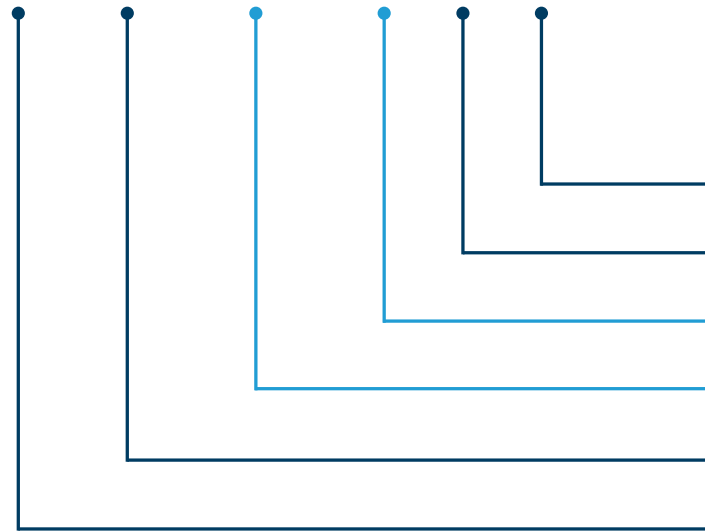
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Product Marking

Product marking is depending on package size.
If space is limited, only non-visible content is printed on the PhotoMOS®.

Example

AQY212GSX



X = T&R packaging

S = SOP package

G = High Capacity

PhotoMOS® type

Y = 4 PIN

AQ = PhotoMOS®

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PhotoMOS® Date Code

3-digit date code for PhotoMOS® relays:



Calendar week, whereas in Japan calendar week begins on Sunday, i. e., if the year starts on a Saturday, the first calendar week only consists of one day.

Last digit of year (e. g. 2 for 2022)

Examples

2 0 3 = 3rd calendar week 2022

2 0 4 = 4th calendar week 2022

2 0 5 = 5th calendar week 2022



008 = CW08 / 2020

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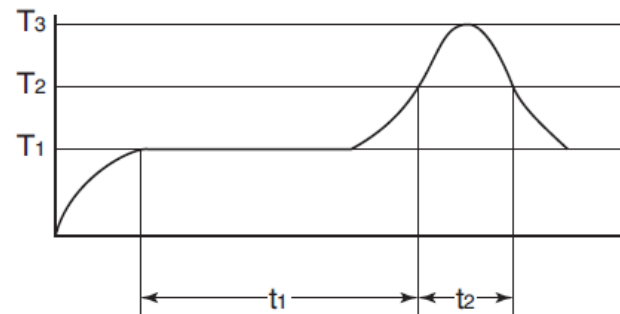
PhotoMOS® Soldering Profile

All PhotoMOS®: RT3 / IP67 / sealed / wash tight

THT (Wave)

Soldering @260±5 °C for max. 10s

SMD (Reflow)



T1 = 150 to 180°C 302 to 356°F
T2 = 230°C 446°F
T3 = 250°C 482°F or less*
t1 = 60 to 120 s or less
t2 = 30 s or less

*245°C 473°F or less for SON, VSSOP package

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Further information:

Fighting Cards

[Fighting cards | mediapool.industry.panasonic.eu](https://mediapool.industry.panasonic.eu)

Application Notes

[PhotoMOS Application Notes | Panasonic Industry Europe GmbH](#)

Media Pool

[Panasonic Mediapool | mediapool.industry.panasonic.eu](https://mediapool.industry.panasonic.eu)

PhotoMOS® App

Find the most suitable PhotoMOS® relay for your application:



General PhotoMOS® Product Information

Date: December 2022

Contact: Panasonic Industry Europe GmbH, photomos@eu.panasonic.com

Notes: Data and descriptions in this document are subject to change without notice.

Product renderings are for illustration purposes only and may differ from the real product appearance.

