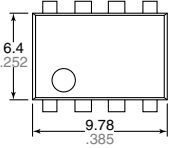
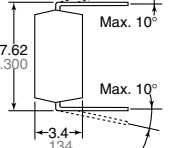
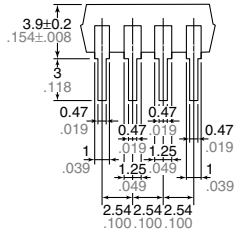
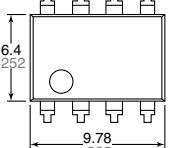
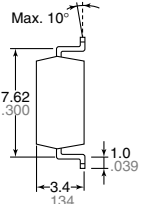
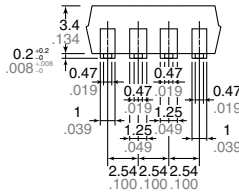
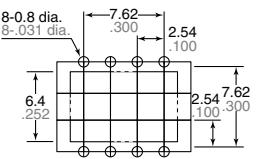
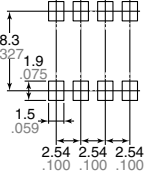
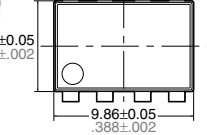
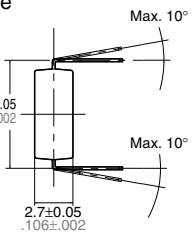
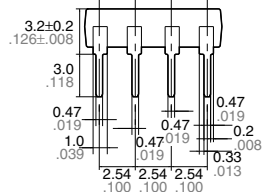
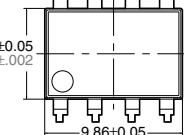
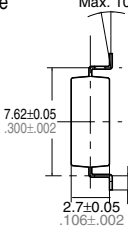
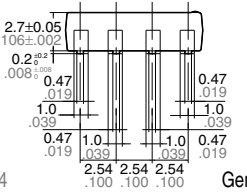
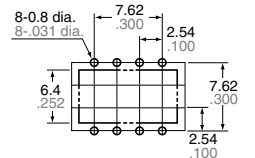
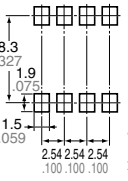
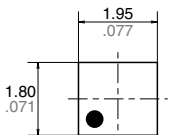
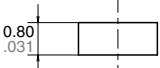
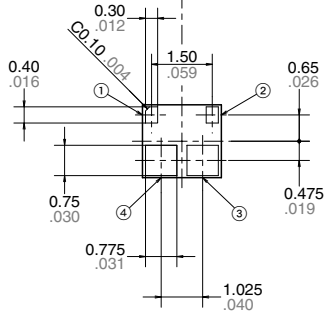


PhotoMOS® Dimensions

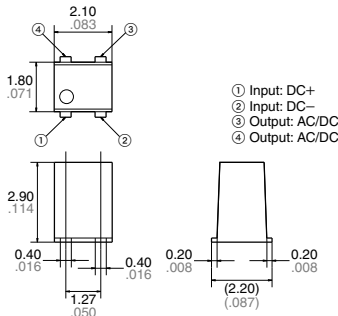
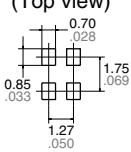
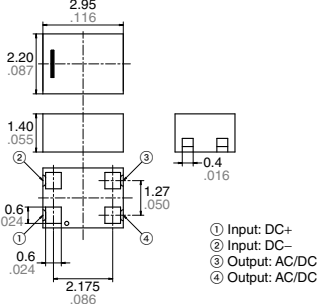
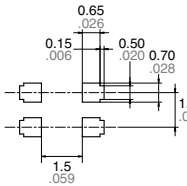
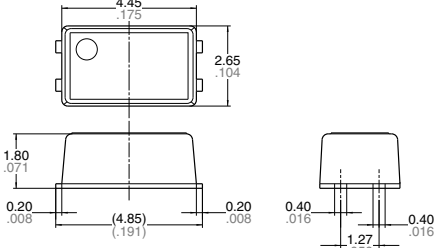
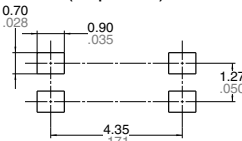
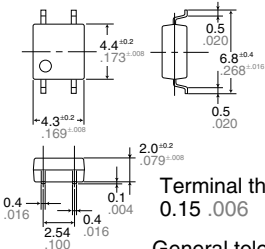
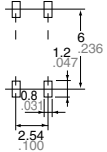
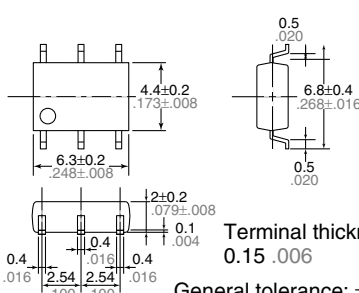
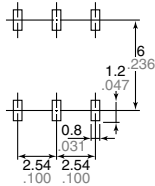
mm inch

Type	Dimensions		
AQY21(DIP) AQY41(DIP) Series	Through hole terminal type CAD 6.4±0.05 .252±.002 4.78±0.05 .188±.002 7.62±0.05 .300±.002 2.7±0.05 .106±.002 Max. 10° Max. 10° Terminal thickness = 0.2 .008 General tolerance: ±0.1 ±.004	Surface mount terminal type CAD 6.4±0.05 .252±.002 4.78±0.05 .188±.002 7.62±0.05 .300±.002 2.7±0.05 .106±.002 Max. 10° 1.0 .039 Terminal thickness = 0.2 .008 General tolerance: ±0.1 ±.004	PC board pattern (Bottom view) 4-0.8 dia. 4-.031 dia. 6.4 .252 2.54 .100 7.62 .300 2.54 .100 Tolerance: ±0.1 ±.004 Recommended mounting pad (Top view) 8.3 .327 1.9 .075 1.5 .059 2.54 .100 2.54 .100 Tolerance: ±0.1 ±.004
	AQV10(DIP) AQV11(DIP) AQV20(DIP) AQV21(DIP) AQV22(DIP) AQV23(DIP) AQV25(DIP) AQV41(DIP) AQV45(DIP) Series	Through hole terminal type CAD 6.4±0.05 .252±.002 8.8±0.05 .346±.002 7.62±0.05 .300±.002 3.4±0.05 .134 Max. 10° Max. 10° Terminal thickness = 0.25 .010 General tolerance: ±0.1 ±.004	Surface mount terminal type CAD 6.4±0.05 .252±.002 8.8±0.05 .346±.002 7.6±0.05 .299 3.4±0.05 .134 Max. 10° 1.0 .039 Terminal thickness = 0.25 .010 General tolerance: ±0.1 ±.004
APV1122(DIP)		Through hole terminal type CAD 6.4±0.05 .252±.002 8.8±0.05 .346±.002 7.62±0.05 .300±.002 3.4±0.05 .134 Max. 10° Max. 10° Terminal thickness = 0.25 .010 General tolerance: ±0.1 ±.004	Surface mount terminal type CAD 6.4±0.05 .252±.002 8.8±0.05 .346±.002 7.6±0.05 .299 3.4±0.05 .134 Max. 10° 1.0 .039 Terminal thickness = 0.25 .010 General tolerance: ±0.1 ±.004

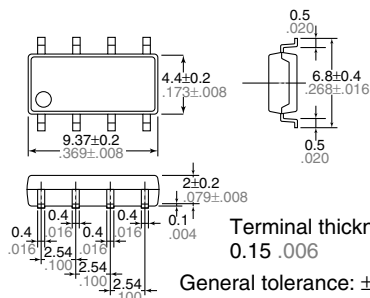
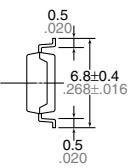
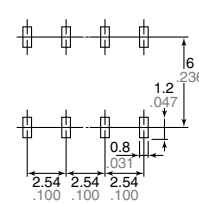
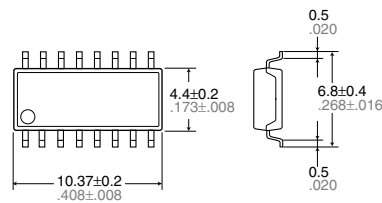
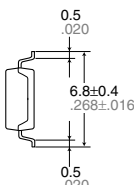
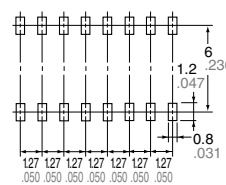
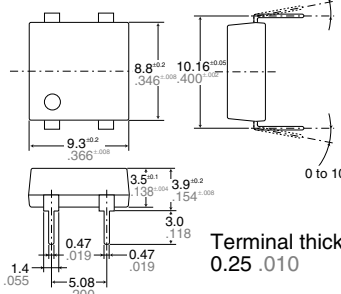
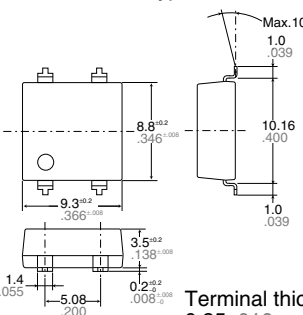
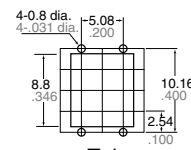
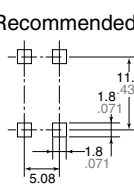
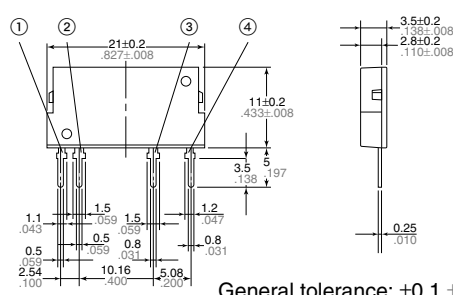
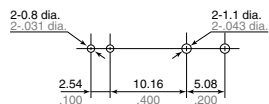
The CAD data of the products with a **CAD** mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>

Type	Dimensions		
Aqw21(DIP) Aqw22(DIP) Aqw25(DIP) Aqw41(DIP) Aqw45(DIP) Aqw61(DIP) Aqw65(DIP) Series	Through hole terminal type     Terminal thickness = 0.25 .010 General tolerance: $\pm 0.1 \pm .004$	Surface mount terminal type     Terminal thickness = 0.25 .010 General tolerance: $\pm 0.1 \pm .004$	PC board pattern (Bottom view)  Tolerance: $\pm 0.1 \pm .004$ Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
	Through hole terminal type     Terminal thickness = 0.2 .008 General tolerance: $\pm 0.1 \pm .004$	Surface mount terminal type     Terminal thickness = 0.2 .008 General tolerance: $\pm 0.1 \pm .004$	PC board pattern (Bottom view)  Tolerance: $\pm 0.1 \pm .004$ Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
Aqw2C(TSON) Series	Recommended mounting pad (Top view)     General tolerance: $\pm 0.2 \pm .008$		

The CAD data of the products with a **CAD** mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>

Type	Dimensions	
AQY22(VSSOP) Series	   General tolerance: $\pm 0.1 \pm .004$	Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
AQY22(SON) Series	   General tolerance: $\pm 0.2 \pm .008$	Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
APV21(SSOP) AQY22(SSOP) Series	   Terminal thickness = $0.15 \pm .006$ General tolerance: $\pm 0.1 \pm .004$	Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
APV11(SOP) APV21(SOP) AQY21(SOP) AQY22(SOP) AQY23(SOP) AQY41(SOP) Series	   Terminal thickness = $0.15 \pm .006$ General tolerance: $\pm 0.1 \pm .004$	Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$
AQV21(SOP) AQV22(SOP) AQV25(SOP) AQV41(SOP) Series	   Terminal thickness = $0.15 \pm .006$ General tolerance: $\pm 0.1 \pm .004$	Recommended mounting pad (Top view)  Tolerance: $\pm 0.1 \pm .004$

The CAD data of the products with a  mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>

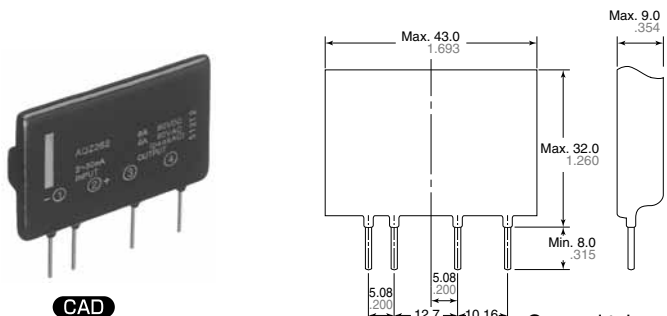
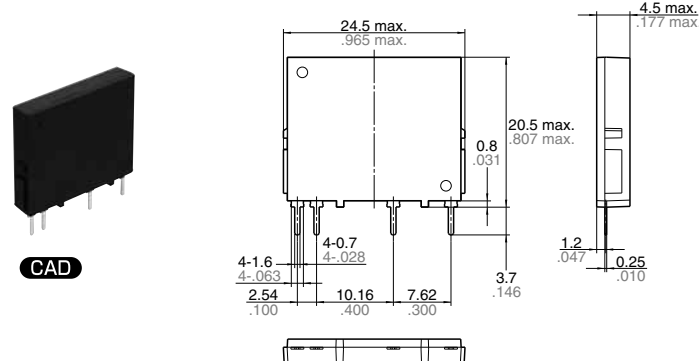
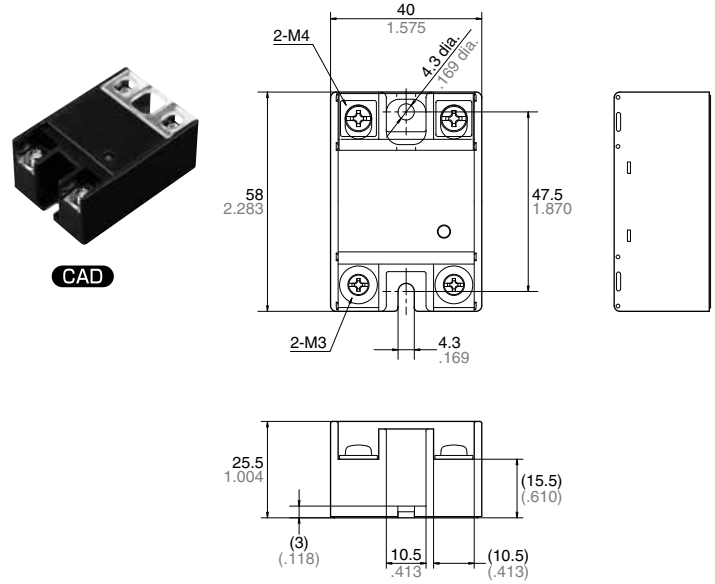
Type	Dimensions
AQW21(SOP) AQW22(SOP) AQW41(SOP) AQW61(SOP) Series	    Terminal thickness = 0.15 .006 General tolerance: $\pm 0.1 \pm .004$ Tolerance: $\pm 0.1 \pm .004$
AQS22(SOP) Series	    Terminal thickness = 0.15 .006 General tolerance: $\pm 0.1 \pm .004$ Tolerance: $\pm 0.1 \pm .004$
AQY27 (Power-DIP) Series	  Terminal thickness = 0.25 .010 General tolerance: $\pm 0.1 \pm .004$   Terminal thickness = 0.25 .010 General tolerance: $\pm 0.1 \pm .004$  Tolerance: $\pm 0.1 \pm .004$  Tolerance: $\pm 0.1 \pm .004$
AQZ10(SIL) AQZ20(SIL) AQZ40(SIL) Series	   General tolerance: $\pm 0.1 \pm .004$ Tolerance: $\pm 0.1 \pm .004$ AC/DC type ① Input: DC- ② Input: DC+ ③ Output: DC or AC ④ Output: DC or AC DC type ① Input: DC- ② Input: DC+ ③ Output: DC- ④ Output: DC+

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Type	Dimensions	
AQZ26(SIL) Series	 Max. 43.0 1.693 Max. 9.0 .354 Max. 32.0 1.260 Min. 8.0 .315 5.08 .200 12.7 .500 10.16 .400 General tolerance: $\pm 0.5 \pm 0.020$ Mounting hole location (Bottom view) Terminal 1 2 3 4 27.94 1.100 2.54x2 .100x2 2.54x5 .100x5 2.54x4 .100x4 4-0.8 dia. 4-.031 dia. ① Input: DC - ② Input: DC + ③ Output: AC or DC ④ Output: AC or DC Pitch tolerance: $\pm 0.1 \pm 0.004$	
AQZ19(SIL) Series	 24.5 max. .965 max. 4.5 max. .177 max. 20.5 max. .807 max. 0.8 .031 4-1.6 4-.063 4-0.7 4-.028 2.54 .100 10.16 .400 7.62 .300 3.7 .146 1.2 .047 0.25 .010 General tolerance: $\pm 0.2 \pm 0.008$ PC board pattern (Bottom view) 2.54 .100 10.16 .400 7.62 .300 1.2 .047 4-1.0 dia. 4-.039 dia. Tolerance: $\pm 0.1 \pm 0.004$ Schematic Input - + o o Output o o	
AQAD Series	 40 1.575 2-M4 4.3 dia. .169 dia. 58 2.283 47.5 1.870 2-M3 4.3 .169 25.5 1.004 (3) (.118) 10.5 .413 (15.5) (.610) General tolerance: $\pm 1.0 \pm 0.039$ Schematic Input power source + - ④ ③ ① ② Load Load power source + - Load Load power source + - Load Mounting dimensions 47.5$\frac{.91}{.91}$ 1.870$\frac{.36}{.36}$ 2-4.3 dia. or M4 2-.069 dia. or M4	

The CAD data of the products with a **CAD** mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>