






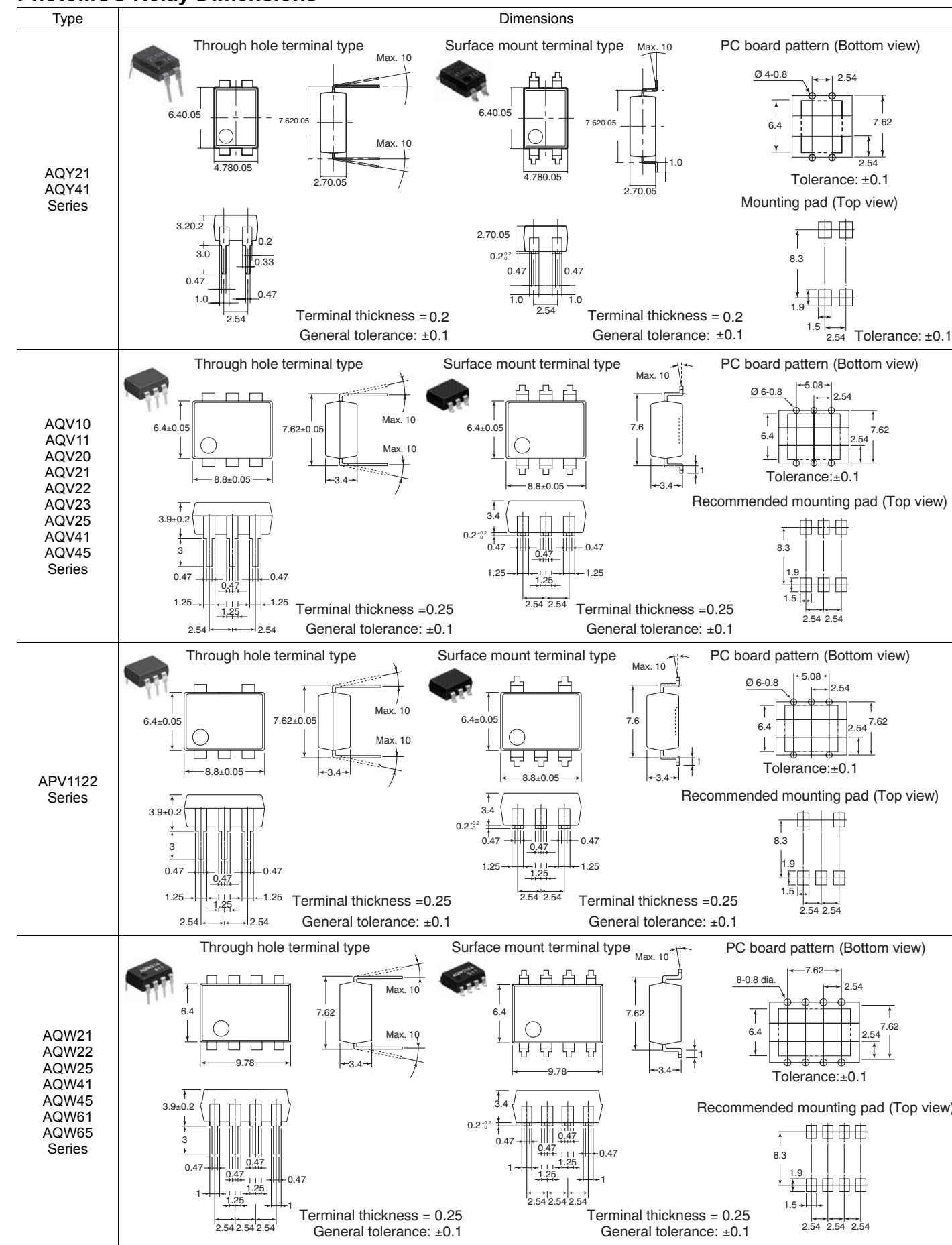
PhotoMOS Relays: ★ Popular Type Selection Table







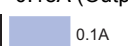

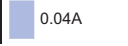
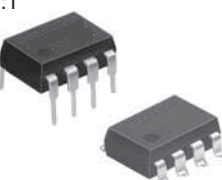





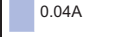
Product family	Type ¹⁾	Package	Contact arrangement ²⁾	Peak load V	Continuous load current	ON-resistance (typical)		
GU-E PhotoMOS General use 	AQY211EH (A)	DIP4	1a	30V	1,0A	0,25Ω		
	AQY212EH (A)	DIP4		60V	0,55A	0,85Ω		
	AQY210EH (A)	DIP4		350V	0,13A	18Ω		
	AQV210EH (A)	DIP6		350V	0,13A	23Ω		
	AQY214EH (A)	DIP4		400V	0,12A	26Ω		
	AQV214EH (A)	DIP6		400V	0,12A	30Ω		
	AQY216EH (A)	DIP4		600V	0,05A	52Ω		
	AQV410EH (A)	DIP6		1b	350V	0,13A	18Ω	
	AQW610EH (A)	DIP8			1a1b	350V	0,12A	18Ω
	AQW614EH (A)	DIP8				400V	0,1A	26Ω
	AQW212EH (A)	DIP8	2a		60V	0,5A	0,83Ω	
	AQW210EH (A)	DIP8		350V	0,12A	18Ω		
	AQW214EH (A)	DIP8		400V	0,1A	26Ω		
	AQW216EH (A)	DIP8		600V	0,04A	52Ω		
AQW414EH (A)	DIP8	2b		400V	0,1A	26Ω		
GU PhotoMOS General use 	AQY212S	SOP4	1a	60V	0,5A	0,83Ω		
	AQY212GS	SOP4		60V	1,0A	0,34Ω		
	AQV212S	SOP6		60V	0,5A	0,83Ω		
	AQY210S	SOP4		350V	0,12A	17Ω		
	AQY214S	SOP4		400V	0,1A	25Ω		
	AQY410S	SOP4	1b	350V	0,12A	18Ω		
	AQW610S	SOP8		1a1b	350V	0,1A	18Ω	
	AQW210S	SOP8	2a		350V	0,1A	16Ω	
	AQW214S	SOP8		400V	0,08A	30Ω		
Short-circuit protected PhotoMOS 	AQV112KL	DIL6	1a	60V	0,5A	0,55Ω		
	AQY210KS	SOP4		350V	0,12A	23,5Ω		
Power PhotoMOS (High capacity type) 	AQZ102	SIL	1a	60V	4,0A	0,05Ω		
	AQZ202	SIL		60V	3,0A	0,11Ω		
	AQZ205	SIL		100V	2,0A	0,23Ω		
	AQZ204	SIL		400V	0,5A	2,1Ω		
RF PhotoMOS Low CxR 	AQY221N3V	SSOP	1a	25V	0,15A	5,5Ω		
	AQY221N2V	SSOP		40V	0,25A	9,5Ω		
	AQY221N1S	SOP4		40V	0,12A	9,8Ω		
	AQY221R2V	SSOP		40V	0,25A	0,75Ω		
	AQY221N2S	SOP4		40V	0,12A	9,5Ω		
	AQY221R2S	SOP4		40V	0,25A	0,8Ω		

¹⁾A = SMD type

²⁾The contact arrangements within each category are differentiated by colour.

PhotoMOS Relay Dimensions



Type ★ = Popular Type	Photo with Dimensions (Picture scale: DIN A4)	Features	Output	
			Peak load V DC/AC	Continuous load current/ Peak load current (100ms)
★ AYW210S	1:1  9.37 x 4.4 x 2.1mm		350V	• 0.1A / 0.3A 
★ AYW214S			400V	• 0.08A / 0.24A 
★ AYW212EH	1:1  DIP : 9.86 x 6.4 x 3.2mm SMD: 9.86 x 6.4 x 2.9mm		60V	• 0.5A / 1.5A 
★ AYW210EH			350V	• 0.12A / 0.36A 
AYW210HL		Current limiting	350V	• 0.1A / - 0.18A (Output limit current [typ.]) 
★ AYW214EH			400V	• 0.1A / 0.3A 
★ AYW216EH			600V	• 0.04A / 0.12A 
AYW212				60V
AYW215	1:1  DIP : 9.78 x 6.4 x 3.9mm SMD: 9.78 x 6.4 x 3.6mm		100V	• 0.3A / 0.9A 
AYW217			200V	• 0.16A / 0.48A 
AYW210			350V	• 0.12A / 0.36A 
AYW214			400V	• 0.1A / 0.3A 
AYW254			400V	• 0.12A / 0.36A 
AYW216			600V	• 0.04A / 0.12A 

Output		Input		Switching speed (I LED = 5mA)		I/O isolation voltage	Approvals
ON resistance (typical/max.)	Output capacitance (typical)	LED operate current (max.)	LED turn-off current (min.)	Turn-on time (max.)	Turn-off time (max.)		
16/35Ω	45pF	3.0mA	0.4mA	0.5ms	0.2ms	1,500V AC	UL, CSA, TÜV
30/50Ω	45pF	3.0mA	0.4mA	0.5ms	0.2ms	1,500V AC	UL, CSA, TÜV
0.83/2.5Ω	80pF	3.0mA	0.4mA	4.0ms	1.0ms	5,000V AC	UL, CSA, TÜV
18/25Ω	45pF	3.0mA	0.4mA	2.0ms	1.0ms	5,000V AC	UL, CSA, TÜV
20/25Ω	45pF	3.0mA	0.4mA	2.0ms	1.0ms	5,000V AC	UL, CSA, TÜV
26/35Ω	45pF	3.0mA	0.4mA	2.0ms	1.0ms	5,000V AC	UL, CSA, TÜV
52/120Ω	45pF	3.0mA	0.4mA	2.0ms	1.0ms	5,000V AC	UL, CSA, TÜV
0.83/2.5Ω	150pF	3.0mA	0.4mA	2.0ms	0.2ms	1,500V AC	UL, CSA, TÜV
2.3/4.0Ω	110pF	3.0mA	0.4mA	2.0ms	0.2ms	1,500V AC	UL, CSA, TÜV
11/15Ω	70pF	3.0mA	0.4mA	2.0ms	0.2ms	1,500V AC	UL, CSA, TÜV
23/35Ω	45pF	3.0mA	0.4mA	0.5ms	0.05ms	1,500V AC	UL, CSA, TÜV
30/50Ω	45pF	3.0mA	0.4mA	0.5ms	0.05ms	1,500V AC	UL, CSA, TÜV
12.4/16Ω	170pF	3.0mA	0.4mA	2.0ms	0.2ms	1,500V AC	UL, CSA, TÜV
70/120Ω	45pF	3.0mA	0.4mA	0.5ms	0.2ms	1,500V AC	UL, CSA, TÜV