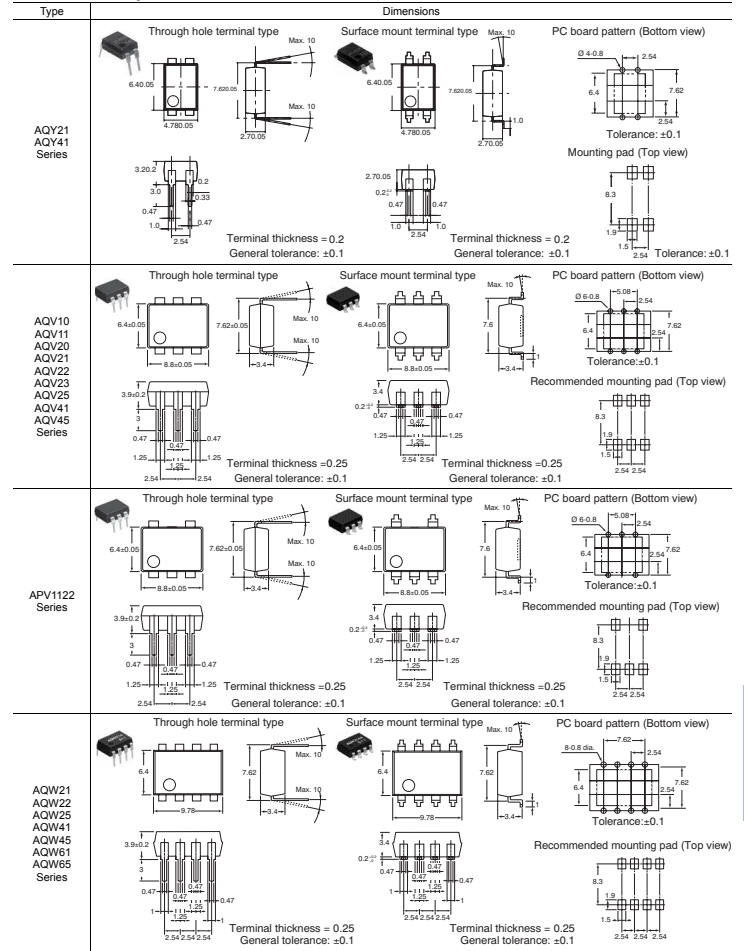


PhotoMOS Relays: ★ Popular Type Selection Table

Product family	Type <sup>1)</sup>	Package	Contact arrangement <sup>2)</sup>	Peak load V	Continuous load current	ON-resistance (typical)
<b>GU-E PhotoMOS</b> 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
	AQY210EH (A)	DIP6		350V	0.13A	23Ω
	AQY214EH (A)	DIP4		400V	0.12A	26Ω
	AQY214EH (A)	DIP6		400V	0.12A	30Ω
	AQY216EH (A)	DIP4	600V	0.05A	52Ω	
	AQV410EH (A)	DIP6	1b	350V	0.13A	18Ω
	AQW610EH (A)	DIP8		350V	0.12A	18Ω
	AQW614EH (A)	DIP8	2a	400V	0.1A	26Ω
	AQW212EH (A)	DIP8		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	400V		0.1A	26Ω	
<b>GU PhotoMOS</b> General use	AQY212S	SOP4	1a	60V	0.5A	0.83Ω
	AQY212GS	SOP4		60V	1.0A	0.34Ω
	AQY212S	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		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
<b>Power PhotoMOS</b> (High capacity type)	AQZ2102	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
<b>RF PhotoMOS</b> Low CuR	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

<sup>1)</sup>A = SMD type  
<sup>2)</sup>The contact arrangements within each category are differentiated by colour.


















PhotoMOS Relay Dimensions





PhotoMOS 2 Form A Signal Relays

PhotoMOS Selector Chart

Type ★ = Popular Type	Photo with Dimensions (Picture scale: DIN A4)	Features	Output	
			Peak load V DC/AC	Continuous load current/ Peak load current (100ms)
★ AQW210S	 1:1 9.37 x 4.4 x 2.1mm		350V	• 0.1A / 0.3A 
★ AQW214S			400V	• 0.08A / 0.24A 
★ AQW212EH	 1:1 DIP : 9.86 x 6.4 x 3.2mm SMD: 9.86 x 6.4 x 2.9mm	Current limiting	60V	• 0.5A / 1.5A 
★ AQW210EH			350V	• 0.12A / 0.36A 
AQW210HL			350V	• 0.1A / - 0.18A (Output limit current [typ.]) 
★ AQW214EH			400V	• 0.1A / 0.3A 
★ AQW216EH			600V	• 0.04A / 0.12A 
AQW212			60V	• 0.6A / 1.0A 
AQW215			100V	• 0.3A / 0.9A 
AQW217			200V	• 0.16A / 0.48A 
AQW210	 1:1 DIP : 9.78 x 6.4 x 3.9mm SMD: 9.78 x 6.4 x 3.6mm		350V	• 0.12A / 0.36A 
AQW214			400V	• 0.1A / 0.3A 
AQW254			400V	• 0.12A / 0.36A 
AQW216			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