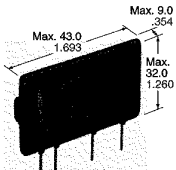
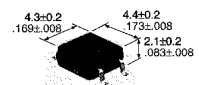
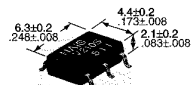
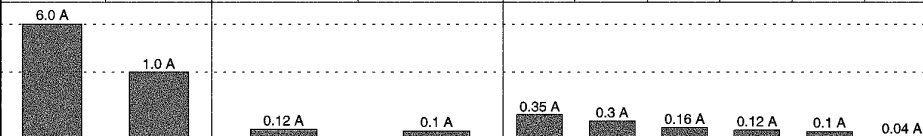
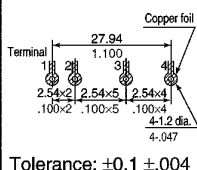
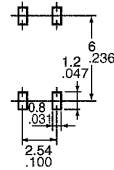
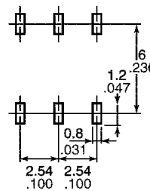


PhotoMOS

			Power PhotoMOS High capacity Type		GU SOP Type																						
			1a Type		1a Types																						
			AC/DC Type		AC/DC Type																						
• Type of relay					4-Pin					6-Pin																	
																											
• Features			• High capacity • Low on-resistance • Controls low-level input signals		• Super miniature design • SOP (1 Form A) 4-pin type					• Ultra small size • SOP (1 Form A) 6-pin type																	
			Part No.		AQZ262	AQZ264	AQY210S	AQY214S	AQV212S	AQV215S	AQV217S	AQV210S	AQV214S	AQV216S													
• Load voltage*	Peak AC	DC	60 V	400 V	350 V	400 V	350 V	400 V	60 V	100 V	200 V	350 V	400 V	600 V													
			60 V	400 V	350 V	400 V	350 V	400 V	60 V	100 V	200 V	350 V	400 V	600 V													
• Output	Continuous load current																										
			10.0 A		3.0 A		0.3 A		0.24 A		1.0 A		0.9 A		0.48 A		0.3 A		0.3 A		0.12 A		0.3 A		0.12 A		
			Power dissipation*		3.0 W		300 mW		450 mW																		
	• ON resistance	Typical	Maximum	0.036 Ω	1.0 Ω	17 Ω	25 Ω	0.83 Ω	2.3 Ω	11 Ω	23 Ω	30 Ω	70 Ω														
0.05 Ω				1.4 Ω	25 Ω	35 Ω	2.5 Ω	4.0 Ω	15 Ω	35 Ω	50 Ω	120 Ω															
Output capacitance (Typical)			1,400 pF	600 pF	45 pF		150 pF	110 pF	70 pF	45 pF	45 pF	45 pF	45 pF	45 pF	45 pF												
Off state leakage current			10 μA		Max. 1 μA		Max. 1 μA																				
• Input	LED forward current*		50 mA		50 mA		50 mA																				
	LED reverse voltage*		3 V		3 V		3 V																				
	Peak forward current		1 A		1 A		1 A																				
	Power dissipation*		75 mW		75 mW		75 mW																				
	LED operate current (LED operate (OFF) current)	Typical	Maximum	1.0 mA	0.9 mA	0.7 mA	3.0 mA																				
				3.0 mA	3 mA	3.0 mA																					
	LED turn off current (LED reverse (ON) current)	Minimum	Typical	0.4 mA	0.4 mA	0.4 mA	0.85 mA																				
0.9 mA				0.85 mA	0.65 mA																						
LED dropout voltage (I _F = 5 mA)	Typical	Maximum	1.25 V	1.14 V	1.14 V	1.5 V																					
			1.5 V	1.5 V	1.5 V																						
• Switching speed	Turn on time (Operate (OFF) time)	Typical	5 ms	4 ms	0.23 ms	0.21 ms	0.65 ms	0.60 ms	0.25 ms	0.25 ms	0.25 ms	0.25 ms	0.25 ms	0.28 ms													
			10 ms	10 ms	0.5 ms	0.5 ms	2 ms	2 ms	1 ms	0.5 ms	0.5 ms	0.5 ms	0.5 ms	0.5 ms	0.5 ms												
Turn off time (Reverse (ON) time)	Typical	Maximum	0.32 ms	0.14 ms	0.04 ms		0.08 ms	0.06 ms	0.05 ms	0.05 ms	0.05 ms	0.05 ms	0.04 ms														
			3.0 ms	3.0 ms	0.2 ms		0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms												
Total power dissipation*			3.0 W		350 mW		500 mW																				
I/O isolation voltage*			1,500 V AC		1,500 V AC		1,500 V AC																				
• Temperature limits	Operating*		-40°C to +85°C -40°F to +185°F		-40°C to +85°C -40°F to +185°F		-40°C to +85°C -40°F to +185°F																				
	Storage*		-40°C to +100°C -40°F to +212°F		-40°C to +100°C -40°F to +212°F		-40°C to +100°C -40°F to +212°F																				
• I/O capacitance	Typical	Maximum	2.0 pF		1.5 pF		0.8 pF																				
			4.0 pF																								
Initial I/O isolation resistance			Min. 1,000 MΩ		Min. 1,000 MΩ		Min. 1,000 MΩ																				
• Terminal layout (100. inch grid)	Mounting hole location (Bottom view)				Tolerance: ±0.1 ±.004																						
	Recommended mounting pad (Top view)																										
	Recommended mounting pad (Top view)																										
• Standards			—		UL (E43149), CSA (LR26550), TÜV, BSI		UL (E43149), CSA (LR26550), TÜV																				
• Mounting method																											

*The values are absolute maximum ratings (25°C 77°F). []: Representation in case of Form B type contact PhotoMOS Relay.