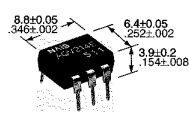
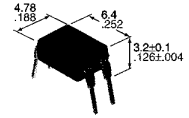
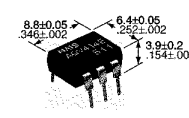
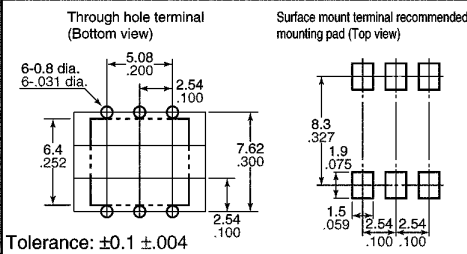
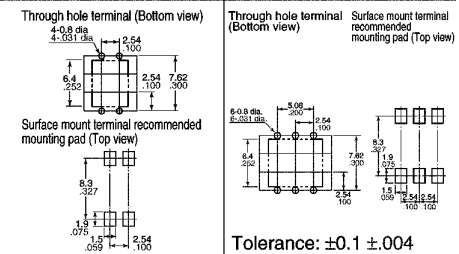



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		GU-E Type							
		1a Types				1b Types		1b Types	
		AC/DC Type				AC/DC Type		AC/DC Type	
		6-Pin				4-Pin		6-Pin	
Type of relay									
Features		Standard I/O isolation type Reinforced I/O isolation type				Reinforced I/O isolation type		Standard I/O isolation type Reinforced I/O isolation type	
Part No.		• General use and economy (1 Form A) type AQV210E AQV214E AQV210EH AQV214EH				• General use and economy type • DIP (1 Form B) 4-pin type AQY414EH		• General use and economy (1 Form B) type AQV414E AQV414EH	
Load voltage*		Peak AC 350 V 400 V 350 V 400 V DC 350 V 400 V 350 V 400 V				400 V		400 V 400 V	
Output		Continuous load current 0.13 A 0.12 A 0.13 A 0.12 A				0.12 A		0.12 A 0.12 A	
Peak load current		0.4 A 0.3 A 0.4 A 0.3 A				0.3 A		0.3 A 0.3 A	
Power dissipation*		500 mW				500 mW		500 mW	
ON resistance		23 Ω 30 Ω 23 Ω 30 Ω				26 Ω 35 Ω		26 Ω 50 Ω	
Output capacitance (Typical)		45 pF				100 pF		100 pF	
Off state leakage current		Max. 1 μA				Max. 10 μA		Max. 1 μA Max. 10 μA	
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	
Input		LED operate current (LED operate (OFF) current) Typical 1.1 mA 1.6 mA Maximum 3.0 mA 3.0 mA				1.3 mA 1.45 mA 3.0 mA 3.0 mA		1.75 mA 1.75 mA 3.0 mA 3.0 mA	
LED turn off current (LED reverse (ON) current)		Minimum 0.3 mA 0.4 mA Typical 1.0 mA 1.5 mA				0.4 mA 0.4 mA 1.2 mA 1.2 mA		0.3 mA 0.4 mA 1.40 mA 1.70 mA	
LED dropout voltage (I _F = 5 mA)		Typical 1.14 V Maximum 1.5 V				1.14 V 1.14 V 1.5 V 1.5 V		1.14 V 1.14 V 1.5 V 1.5 V	
Switching speed		Turn on time (Operate (OFF) time) Typical 0.5 ms 0.7 ms Maximum 2.0 ms 2.0 ms				0.8 ms 0.7 ms 3.0 ms 2.0 ms		1.3 ms 1.3 ms 3.0 ms 3.0 ms	
Turn off time (Reverse (ON) time)		Typical 0.05 ms Maximum 1.0 ms				0.2 ms 0.1 ms 1.0 ms 1.0 ms		0.3 ms 0.3 ms 1.5 ms 1.5 ms	
Total power dissipation*		550 mW				550 mW		550 mW	
I/O isolation voltage*		1,500 V AC 5,000 V AC				5,000 V AC		1,500 V AC 5,000 V AC	
Temperature limits		Operating* -40°C to +85°C -40°F to +185°F Storage* -40°C to +100°C -40°F to +212°F				-40°C to +85°C -40°F to +185°F		-40°C to +85°C -40°F to +185°F	
I/O capacitance		Typical 0.8 pF Maximum 1.5 pF				0.8 pF 0.8 pF 1.5 pF 1.5 pF		0.8 pF 0.8 pF 1.5 pF 1.5 pF	
Initial I/O isolation resistance		Min. 1,000 MΩ				Min. 1,000 MΩ		Min. 1,000 MΩ	
Terminal layout (100 μm grid)									
Tolerance: ±0.1 ±.004		Tolerance: ±0.1 ±.004				Tolerance: ±0.1 ±.004		Tolerance: ±0.1 ±.004	
Standards		UL (E43149), CSA (LR26550), TÜV		UL (E43149), CSA (LR26550), TÜV, BSI, VDE		UL (E43149), BSI, CSA (LR26550)		UL (E43149), CSA (LR26550), TÜV, BSI, VDE	
Mounting method									

Note: Meaning of symbol marks  : PC board terminal;  : Surface-mounting