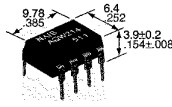
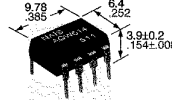
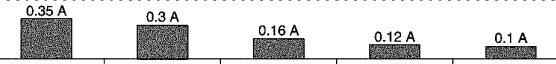

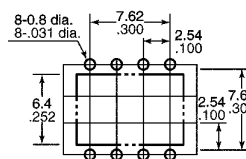
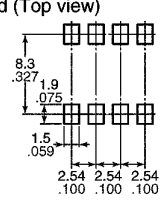






PhotoMOS

7
RELAYS

		GU Type							
		2a Type				1a1b Type			
		AC/DC Type				AC/DC Type			
• Type of relay									
• Features		<ul style="list-style-type: none"> • 2 Form A type • Approx. 1/2 smaller compared with proximity mounting of two 1 Form A units 				<ul style="list-style-type: none"> • 1 Form A 1 Form B type 			
		Part No.	AQW212	AQW215	AQW217	AQW210	AQW214	AQW216	AQW614
• Load voltage		Peak AC	60 V	100 V	200 V	350 V	400 V	600 V	400 V
		DC	60 V	100 V	200 V	350 V	400 V	600 V	400 V
• Output		Continuous load current							
		Peak load current	1.0 A	0.9 A	0.48 A	0.36 A	0.3 A	0.12 A	0.3 A
		Power dissipation*	800 mW						800 mW
		ON resistance	0.83 Ω	2.3 Ω	11 Ω	23 Ω	30 Ω	70 Ω	27 Ω
		Maximum	2.5 Ω	4 Ω	15 Ω	35 Ω	50 Ω	120 Ω	50 Ω
		Output capacitance (Typical)	150 pF	110 pF	70 pF	45 pF	45 pF	45 pF	45 pF (N.O.), 100 pF (N.C.)
		Off state leakage current	Max. 1 μA						Max. 1 μA
		LED forward current*	50 mA						50 mA
		LED reverse voltage*	3 V						3 V
		Peak forward current	1 A						1 A
		Power dissipation*	75 mW						75 mW
• Input		LED operate current (LED operate (OFF) current)	0.9 mA			1 mA		0.9 mA	0.7 mA (N.O.) 0.9 mA (N.C.)
		Maximum	3 mA			3 mA		3 mA	3 mA
		LED turn-off current (LED reverse (ON) current)	0.4 mA			0.4 mA		0.4 mA	0.4 mA
		Typical	0.8 mA			0.79 mA		0.8 mA	0.7 mA (N.O.) 0.8 mA (N.C.)
		LED dropout voltage (I _f = 5 mA)	1.14 V						1.14 V
		Maximum	1.5 V						1.5 V
• Switching speed		Turn on time (Operate (OFF) time)	0.65 ms	0.60 ms	0.25 ms	0.25 ms	0.31 ms	0.28 ms	0.28 ms (N.O.) 0.43 ms (N.C.)
		Maximum	2 ms	2 ms	1.0 ms	0.5 ms	0.5 ms	0.5 ms	1 ms
		Turn off time (Reverse (ON) time)	0.08 ms	0.06 ms	0.05 ms	0.05 ms	0.05 ms	0.04 ms	0.04 ms (N.O.) 0.3 ms (N.C.)
		Maximum	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	0.2 ms	1 ms
• Total power dissipation*			850 mW						850 mW
• I/O isolation voltage*			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
		Storage*	-40°C to +100°C -40°F to +212°F						-40°C to +100°C -40°F to +212°F
• I/O capacitance		Typical	0.8 pF						0.8 pF
		Maximum	1.5 pF						1.5 pF
• Initial I/O isolation resistance			Min. 1,000 MΩ						Min. 1,000 MΩ
• Terminal layout (100, inch grid)			Through hole terminal (Bottom view) 			Surface mount terminal recommended mounting pad (Top view) 			
			Tolerance: ±0.1 ±0.04						
• Standards			UL (E43149), CSA (LR26550), TÜV						
• Mounting method			 						

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