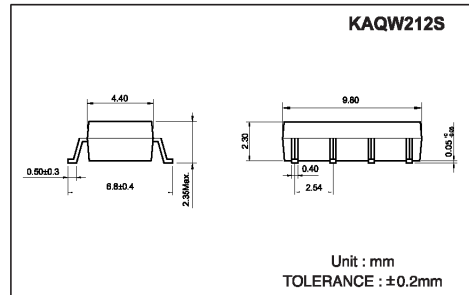


Features

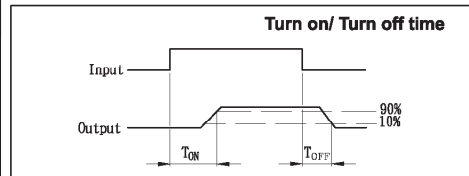
1. Normally Open, Single Pole Single Throw
2. Control 60V AC or DC Voltage
3. Switch 400mA Loads
4. LED control Current, 5mA
5. Low ON-Resistance
6. dv/dt, >500V/ms
7. Isolation Test Voltage, 1500VACrms



Absolute Maximum Ratings

(Ta=25°C)

Emitter (Input)	Detector (Output)
Reverse Voltage.....5.0V	Output Breakdown Voltage±60V
Continuous Forward Current50mA	Continuous Load Current±400mA
Peak Forward Current1A	Power Dissipation500mW
Power Dissipation100mW	
Derate Linearly from 25°C1.3mW/°C	
General Characteristics	
Isolation Test Voltage1500VACrms	Storage Temperature Range ...-40°C to +150°C
Isolation Resistance	Operating Temperature Range...-30°C to +85°C
Vio=500V, Ta=25°C≥10 ¹⁰ Ω	Junction Temperature.....100°C
Total Power Dissipation550mW	Soldering Temperature,
Derate Linearly from 25°C2.5mW/°C	2mm from case, 10 sec260°C



Electro-optical Characteristics

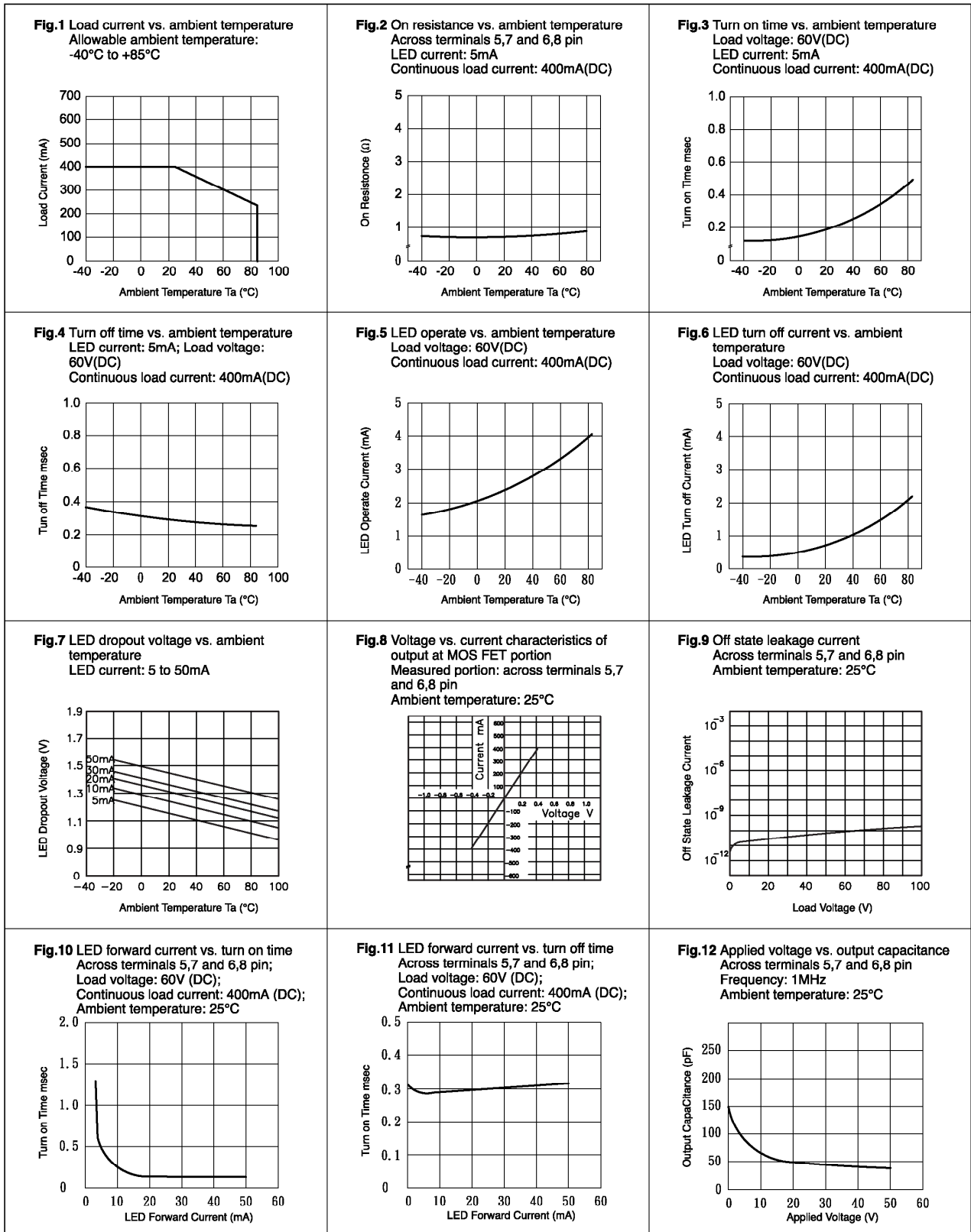
(Ta=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Emitter (Input)						
Forward Voltage	V _F	I _F =10mA		1.2	1.5	V
Operation Input Current	I _{FON}	V _L =±20V, I _L =100mA, t =10mS			5	mA
Recovery Input Current	I _{FOFF}	V _L =±20V, I _L ≤5uA	0.2			mA
Detector (Output)						
Output Breakdown Voltage	V _B	I _B =50uA	60			V
Output Off-State Leakage	I _{TOFF}	V _T =60V, I _F =0mA		0.2	1	uA
I/O Capacitance	C _{ISO}	I _F =0, f =1MHz		6		pF
ON Resistance	R _{ON}	I _L =100mA, I _F =10mA		0.83	2.50	Ω
Turn-ON Time	T _{ON}	I _F =10mA, V _L =±20V		0.2	1.5	ms
Turn-Off Time	T _{OFF}	t =10ms, I _L =±100mA		0.3	1.5	ms

Schematic and Wiring Diagrams

Type	Schematic	Output configuration	Load	Connection	Wiring Diagrams
KAQW212S		2a	AC/DC	-	<p>(1) Two Independent 1 Form A use</p> <p>(2) 2 Form A use</p>

Data Curve



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Solid State Relays - PCB Mount](#) category:

Click to view products by [Cosmo](#) manufacturer:

Other Similar products are found below :

[M90F-2W](#) [M90F-2Y](#) [G2-1A07-ST](#) [G2-1A07-TT](#) [G2-1B02-TT](#) [G2-DA06-ST](#) [PLA134S](#) [DS11-1005](#) [AQH3213J](#) [AQV210EHJ](#) [AQV212J](#)
[AQV252GAJ](#) [AQY221N2SJ](#) [AQY221R2SJ](#) [EFR1200480A150](#) [901-7](#) [LCA220](#) [LCB110S](#) [1618400-5](#) [SR75-1ST](#) [AQV112KLJ](#) [AQV212AJ](#)
[AQV212SXJ](#) [AQV238AD01](#) [AQY212ST](#) [AQY275AXJ](#) [AQY414SXE01](#) [G2-1A02-ST](#) [G2-1A03-ST](#) [G2-1A03-TT](#) [G2-1A05-ST](#) [G2-1A06-](#)
[TT](#) [G2-1A23-TT](#) [G2-1B01-ST](#) [G2-1B01-TT](#) [G2-1B02-ST](#) [G2-DA03-ST](#) [G2-DA03-TT](#) [G2-DA06-TT](#) [3-1617776-2](#) [CTA2425](#) [TLP3131\(F\)](#)
[LBA110S](#) [LBB110S](#) [LCA110LSTR](#) [LCB126S](#) [WPPM-0626D](#) [WPPM-3526D](#) [WPPM-3588D](#) [X4IDC15D](#)