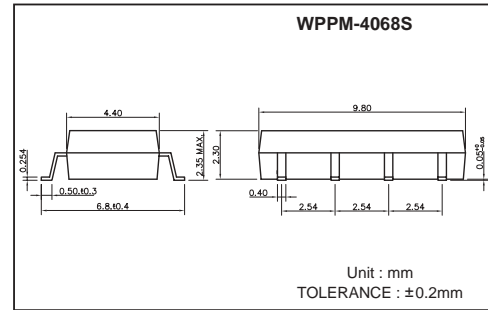


Features

1. Normally open and close, single pole single throw.
2. Control 400VAC or DC voltage.
3. Switch 130mA loads.
4. LED control current, 5mA.
5. Low ON-resistance.
6. dv/dt , >500V/mS.
7. Isolation test voltage, 1500V_{RMS}.

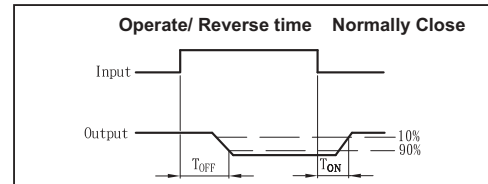
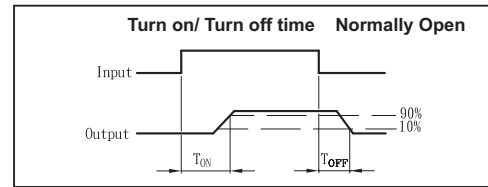
Part Numbering System & Part Marking System: Page 3 & 4.



Absolute Maximum Ratings

($T_a=25^\circ\text{C}$)

Emitter (Input)	
Reverse Voltage	5.0V
Continuous Forward Current	50mA
Peak Forward Current	1A
Power Dissipation	100mW
Derate Linearly from 25°C	1.3mW/°C
Detector (Output)	
Output Breakdown Voltage	±400V
Continuous Load Current	±130mA
Power Dissipation	50mW
General Characteristics	
Isolation Test Voltage	1500V _{RMS}
Isolation Resistance $V_{IO} = 500V, T_A = 25^\circ\text{C}$	$\geq 10^{10}\Omega$
Total Power Dissipation	550mW
Derate Linearly from 25°C	2.5mW/°C
Storage Temperature Range	-40°C to +125°C
Operating Temperature Range	-30°C to +85°C
Junction Temperature	100°C
Soldering Temperature, 2mm from case, 10 sec	260°C



Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Emitter (Input)						
Forward Voltage	V _F	I _F = 10mA		1.8	2.0	V
Operation Input Current	I _{FON(N.O)} I _{FON(N.C)}	V _L = ±20V, I _L = 100mA (N.O) V _L = ±20V, I _L ≤ 5µA (N.C) t = 10mS			5	mA
Recovery Input Current	I _{FON(N.O)} I _{FON(N.C)}	V _L = ±20V, I _L ≤ 5µA (N.O) V _L = ±20V, I _L = 100mA (N.C) t = 10mS	0.2			mA

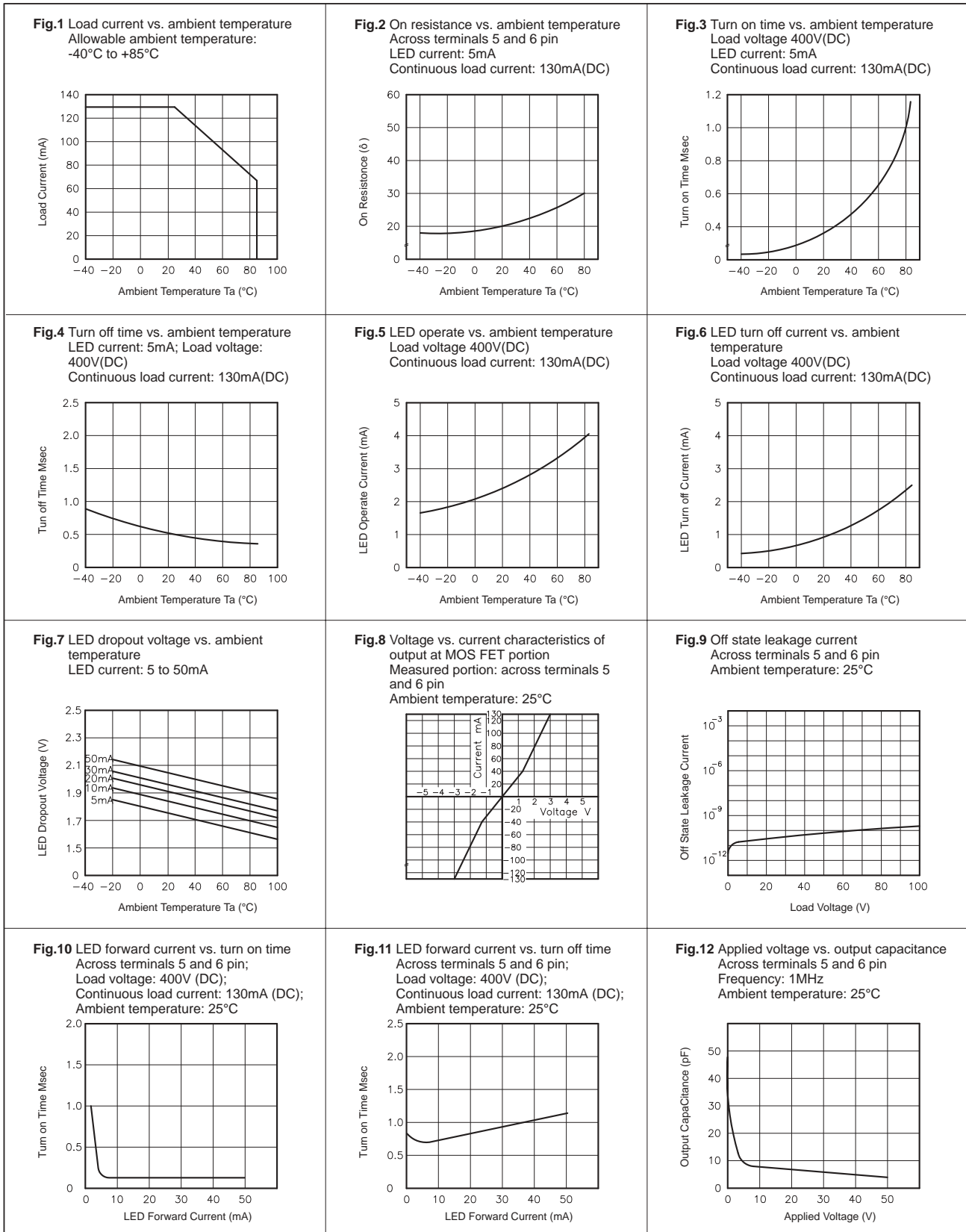
Detector (Output) normally open						
Output Breakdown Voltage	V _B	I _B = 50µA	400			V
Output Off-State Leakage	I _{TOFF}	V _T = 100V, I _F = 0mA		0.2	1	µA
I/O Capacitance	C _{ISO}	I _F = 0, f = 1MHz		6		pF
ON Resistance	R _{ON}	I _L = 100mA, I _F = 10mA		20	30	Ω
Turn-On Time	T _{ON}	I _F = 10mA, V _L = ±20V		0.3	1.0	mS
Turn-Off Time	T _{OFF}	t = 10mS, I _L = ±100mA		0.7	1.5	mS

Detector (Output) normally close						
Output Breakdown Voltage	V _B	I _B = 50µA	400			V
Output Off-State Leakage	I _{TOFF}	V _T = 100V, I _F = 0mA		0.2	2	µA
I/O Capacitance	C _{ISO}	I _F = 0, f = 1MHz		6		pF
ON Resistance	R _{ON}	I _L = 100mA, I _F = 10mA		40	50	Ω
Reverse (ON) Time	T _{ON}	I _F = 10mA, V _L = ±20V		0.6	1.5	mS
Operate (OFF) Time	T _{OFF}	t = 10mS, I _L = ±100mA		0.3	1.0	mS

MOS Relay Schematic and Wiring Diagrams

Type	Schematic	Output configuration	Load	Connection	Wiring Diagrams
4068S		1a1b	AC/DC	-	<p>(1) Two independent 1 Form A & 1 Form B use</p> <p>(2) 1 Form A & 1 Form B use</p>

Data Curve (WPPM-4068S Normally Open Characteristics)



Data Curve (WPPM-4068S Normally Closed Characteristics)

