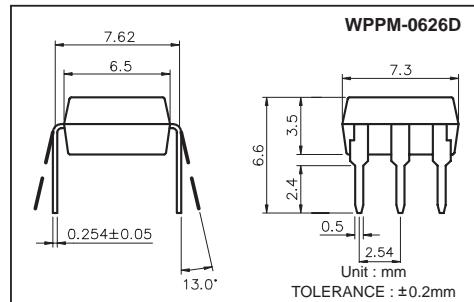




Features

1. Normally open, single pole single throw.
2. Control 60VAC 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, 3750VRMS.

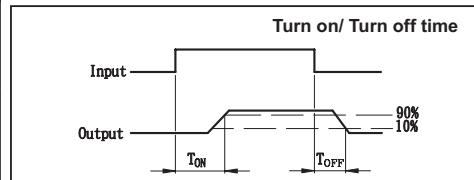
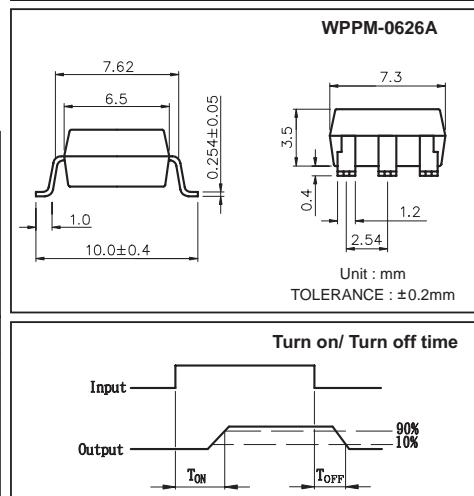


Part Numbering System & Part Marking System: Page 3 & 4.

Absolute Maximum Ratings

(Ta=25°C)

Emitter (Input)	Detector (Output)
Reverse Voltage.....	5.0V
Continuous Forward Current	50mA
Peak Forward Current	1A
Power Dissipation	100mW
Derate Linearly from 25°C	1.3mW/°C
General Characteristics	
Isolation Test Voltage.....	3750VRMS
Isolation Resistance	Operating Temperature Range ...-40°C to +125°C
V _{IO} = 500V, TA = 25°C	Junction Temperature.....100°C
Total Power Dissipation	550mW
Derate Linearly from 25°C	2.5mW/°C
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		1.2	1.5	V
Operation Input Current	I _{FOR}	V _L = ±20V, I _L = 100mA, t = 10mS			5	mA
Recovery Input Current	I _{FOFF}	V _L = ±20V, I _L = 5μA	0.2			mA
Detector (Output)						
Output Breakdown Voltage	V _B	I _B = 50μA	60			V
Output Off-State Leakage	I _{TOFF}	V _T = 60V, I _F = 0mA		0.2	1	uA
I/O Capacitance	C _{I/O}	I _F = 0, f = 1MHz		0.8		pF
ON Resistance	Connection	R _{ON}	I _L = 100mA, I _F = 10mA	0.83	2.50	Ω
				0.44	1.25	
				0.25	0.63	
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

MOS Relay Schematic and Wiring Diagrams

Type	Schematic	Output configuration	Load	Connection	Wiring Diagrams
0626D & 0626A	 	1a	AC/DC	A	
			DC	B	

Data Curve

Fig.1 Load current vs. ambient temperature
Allowable ambient temperature:
-40°C to +85°C

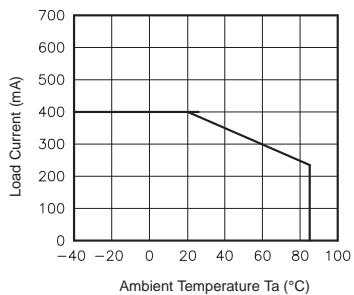


Fig.2 On resistance vs. ambient temperature
Across terminals 4 and 6 pin
LED current: 5mA
Continuous load current: 130mA(DC)

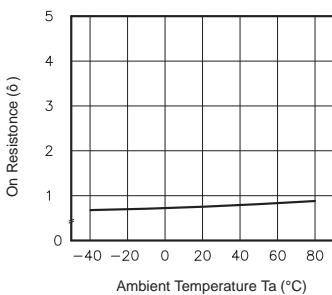


Fig.3 Turn on time vs. ambient temperature
Load voltage 60V(DC)
LED current: 5mA
Continuous load current: 130mA(DC)

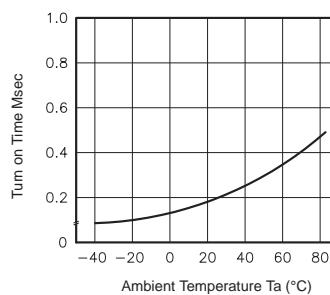


Fig.4 Turn off time vs. ambient temperature
LED current: 5mA; Load voltage:
60V(DC)
Continuous load current: 130mA(DC)

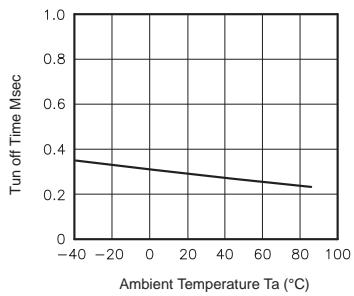


Fig.5 LED operate vs. ambient temperature
Load voltage 60V(DC)
Continuous load current: 130mA(DC)

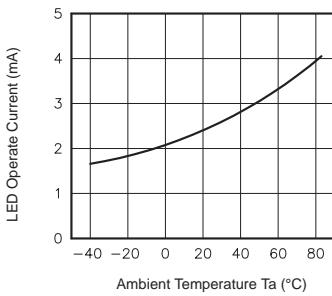


Fig.6 LED turn off current vs. ambient temperature
Load voltage 60V(DC)
Continuous load current: 130mA(DC)

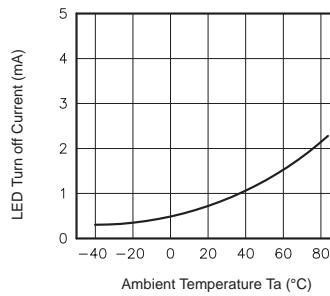


Fig.7 LED dropout voltage vs. ambient temperature
LED current: 5 to 50mA

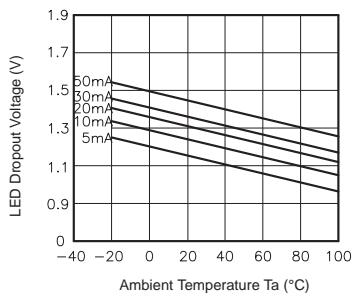


Fig.8 Voltage vs. current characteristics of output at MOS FET portion
Measured portion: across terminals 4 and 6 pin
Ambient temperature: 25°C

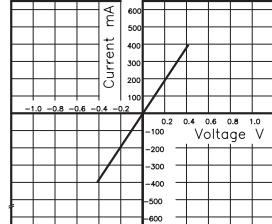


Fig.9 Off state leakage current
Across terminals 4 and 6 pin
Ambient temperature: 25°C

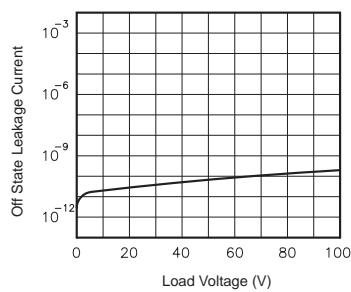


Fig.10 LED forward current vs. turn on time
Across terminals 4 and 6 pin;
Load voltage: 60V (DC);
Continuous load current: 130mA (DC);
Ambient temperature: 25°C

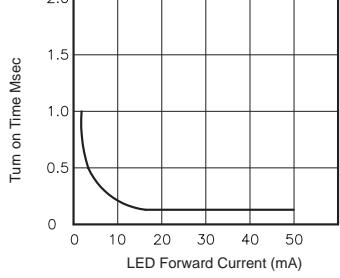


Fig.11 LED forward current vs. turn off time
Across terminals 4 and 6 pin;
Load voltage: 60V (DC);
Continuous load current: 130mA (DC);
Ambient temperature: 25°C

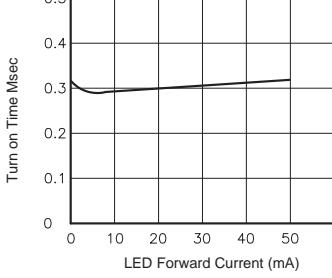


Fig.12 Applied voltage vs. output capacitance
Across terminals 4 and 6 pin
Frequency: 1MHz
Ambient temperature: 25°C

