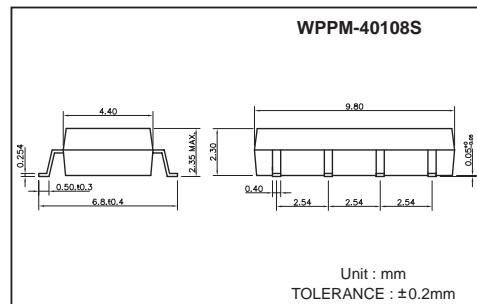




Features

1. Normally 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, 1500VRMS.

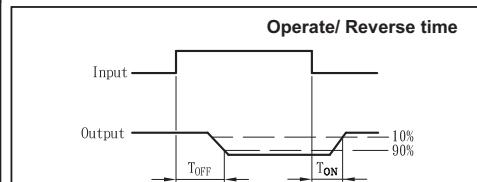


Part Numbering System & Part Marking System: Page 3 & 4.

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.....	1500VRMS
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
Storage Temperature Range ...-40°C to +125°C	
Operating Temperature Range...-30°C to +85°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 _{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	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
40108S		2b	AC/DC	-	<p>(1) Two independent 1 Form B use</p> <p>(2) 2 Form B use</p>

Data Curve

