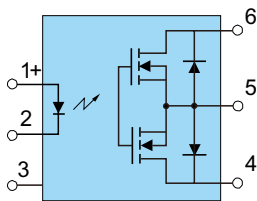


>>> Phototriac Relay

MOSFET Relay



Under certification

Product

- Small package, DIP6 or SOP6
- Load current: 0.1, 0.2, 0.4A
- Dielectric Strength: 2500VAC
- Output leakage current: 1μA max
- Load connection: AC or DC stable low-conduction resistance

Ordering Reference

Model	YS-CM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M:MOSFET					
Number of contact	2: 2 sets				
Output type	A: NO:normal open				
Load voltage	4:400V, 3:350V, 2:200V, 0:60V				
Package	D:DIP6 S:SOP6				

Application

- Instrument: high-speed testing equipment, instrument and apparatus
- Telecommunication: telecommunication equipment, network switch, etc.
- Computer: computer, web server, etc.

Model/Package

Model/ Specification		On-state RMS current	Off-state peak voltage	Type	Package quantity	
DIP	SOP				Tube	Taping
CM2A0D	CM2A0S	0.4A	60V	NO:normal open	50PCS/Tube	1000PCS/Reel
CM2A2D	CM2A2S	0.2A	200V			
CM2A3D	CM2A3S	0.1A	350V			
CM2A4D	CM2A4S	0.1A	400V			

Technical parameters

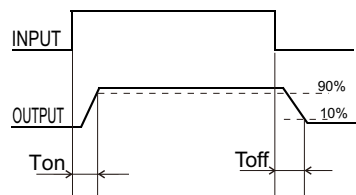
■ Max rated parameters (Environment temperature: 25°C)

Item		Symbol	2A0D	2A0S	2A2D	2A2S	2A3D	2A3S	2A4D	2A4S	Remark
Input	LED Forward current	I_F	50 mA								
	LED Reverse voltage	V_R	5 V								
	Peak foward current	I_{FP}	1 A								f = 100 Hz, Duty Ratio = 0.1%
Output	Repetitive peak off-state voltage	V_{DRM}	60 V		200 V		350 V		400 V		
	Surge current	I_{TSM}	0.7 A		0.4A		0.3 A		0.3 A		50Hz 1 cycle
	On-state RMS current	$I_{T(RMS)}$	0.4 A		0.2A		0.13 A		0.12 A		
Dielectric voltage	Input-output insulation voltage	V_{iso}	2500 VAC								
Temperature	Work temperature	T_{opr}	-30 °C -- 85 °C								
	Storage temperature	T_{stg}	-40 °C -- 125 °C								

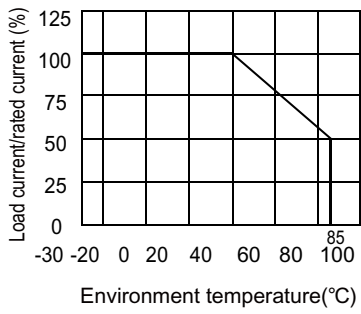
■ Electric parameters (Environment temperature 25°C)

Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	LED Forward voltage drop	V_F	$I_F=50mA$		1.25	1.5	V
	Turn-on current	I_{Fon}	$I_L=Max.$		1.6	3	mA
	Turn-off current	I_{Foff}	$I_L=Max.$	0.2	0.4		mA
Output	Conduction resistance	R_{on}	$I_F=5mA$ $I_L=MAX.$			30	Ω
	Output leakage current	I_{leak}	$I_F=0mA$ $I_L=Max.$			1	μA
Transmission	Turn-on time	T_{on}	$I_F=5mA$ $I_L=Max.$		1		mS
	Turn-off time	T_{off}	$I_F=10mA$		1		mS
	Input-Output insulation capacitor	C_{iso}	f=1MHz		1	1.5	pF
	Insulation capacitor	R_{iso}	500VDC (input-output)		1000		M Ω

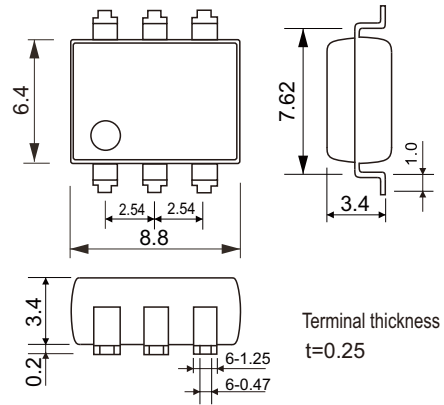
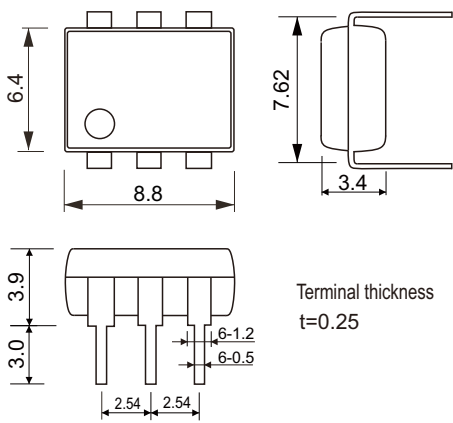
■ Switch Time Waveform:



Characteristic curve



Outline dimensions(mm)



Connection diagram

