



**FEATURES**

- 1. Continuous load current: Max. 3.5A high capacity
- 2. Low on resistance: Typ. 40mΩ
- 3. Broad lineup of high capacity types

**APPLICATIONS**

- Security equipment
- Fire-preventing system
- Industrial machine
- Thermostat (HVAC temperature controller)

**ABSOLUTE MAXIMUM RATINGS (AMBIENT TEMPERATURE : 25 °C)**

ITEM	SYMBOL	VALUE	UNITS	REMARKS
INPUT	Continuous Led Current	IF	50	mA
	Peak Led Current	IFP	500	mA f= 100Hz,duty= 1%
	Led Reverse Voltage	VR	5	V
	Input Power Dissipation	PIN	75	mW
OUTPUT	Load Voltage	VL	60	V (AC peak or DC)
	Load Current	IL	3500	mA
	Peak Load Current	IPEAK	6000	mA 1ms(1 pulse)
	Output Power Dissipation	POUT	500	mW
Total Power Dissipation	PT	550	mW	
I/O Breakdown Voltage	V <sub>I/O</sub>	3750	Vrms	RH = 60%,1min
I/O Breakdown Voltage (HV)	V <sub>I/O</sub>	5000	Vrms	RH = 60%,1min
Operating Temperature	T <sub>OPR</sub>	-40 to +85	°C	
Storage Temperature	T <sub>STG</sub>	-40 to +100	°C	

**ELECTRICAL SPECIFICATION**

ITEM	SYMBOL	VALUE	UNITS	CONDITIONS
INPUT	LED Operate Current	TYP.	1.2	mA
		MAX.	2	mA
	LED Turn Off Current	MIN.	0.3	mA
		TYP.	0.9	mA
LED Dropout Voltage	TYP.	1.3	V	
	MAX.	3.0	V	
OUTPUT	On-resistance	TYP.	0.04	Ω
		MAX.	0.052	Ω
	Off-state Leakage Current	MAX.	100	nA
Output Capacitance	TYP.	500	pF	
TRANSMISSION	Turn-on Time	TYP.	0.8	ms
		MAX.	5.0	ms
	Turn-off Time	TYP.	0.1	ms
		MAX.	1.0	ms
COUPLED	I/O Isolation Resistance	MIN.	10 <sup>9</sup>	Ω
	I/O Capacitance	MAX.	1.3	pF

