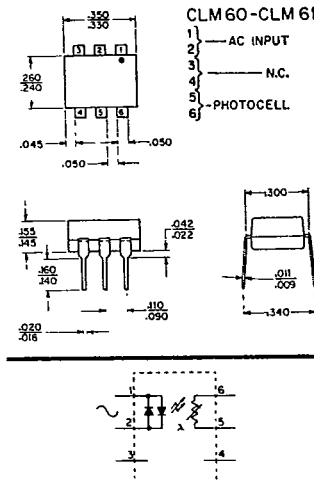


# CLM60 CLM61

## Dual LED- Photoconductor Dip Isolators

The CLM60 and CLM61 incorporate two GaP LEDs connected in inverse parallel and coupled to a photoconductive cell, thereby featuring an A.C. signal input capability. The photoconductive cell outputs feature 250V PAC ratings, and both units have 2500V PAC isolation levels, along with 1 Meg ohm minimum Off Resistances. Controlled resistances are featured at 16mA and 1mA respectively. These components are recognized under the Component Program of Underwriters' Laboratories Inc.



### TECHNICAL DATA

LED	CHARACTERISTICS	TEST CONDITIONS	CLM60		CLM61		UNITS
			Min.	Typ. Max.	Min.	Typ. Max.	
I <sub>F</sub> max.	Maximum forward current			40		40	mA
V <sub>F</sub>	Forward voltage	I <sub>F</sub> = 16mA	2.0	2.5	2.0	2.5	volts
PHOTOCELL V <sub>MAX</sub>	Cell voltage			250		250	volts DC or PAC
P ①	Power dissipation	25° C		50		50	milliwatts
PHOTOMOD R <sub>ON</sub> ②	On resistance	I <sub>F</sub> = 1mA I <sub>F</sub> = 16mA	7.5K	2K 4K		7K	ohms
R <sub>OFF</sub>	Off resistance	5 sec after I <sub>F</sub> → 0 4 VDC on cell	1 Meg.		1 Meg.		ohms
t <sub>R</sub> ③	Rise time	Time to 63% of final condition at I <sub>F</sub> = 16 mA		500		500	μ sec
t <sub>D</sub> ④	Decay time	Time to 100K		60		60	milliseconds
V <sub>BD</sub>	Isolation		2500		2500		volts DC or PAC
dRc/dt	Cell temperature coefficient	I <sub>F</sub> > 1mA		1		1	%/° C



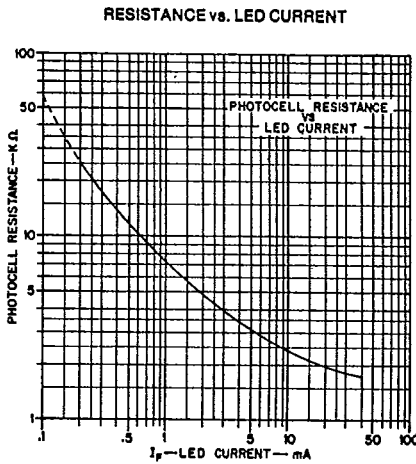
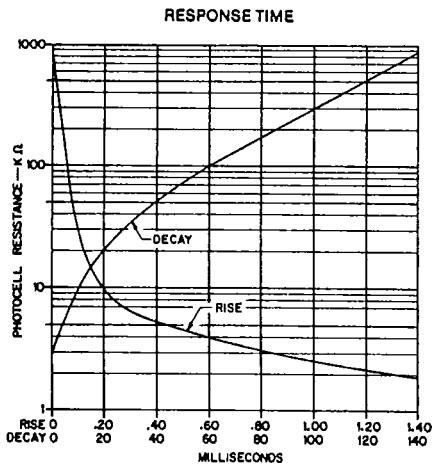
Temperature Storage — 40° to 75° C

Absolute Maximum Ratings:

Operating — Derate power to 0 at 75° C

## FASCO INDS/ SENISYS

## PC-LED PHOTOMOD SLOPE CHARACTERISTICS



## RESPONSE TIME

The  $t_{RISE}$  and  $t_{DECAY}$  curve is the response time of the module when the lamp current is instantaneously varied from either zero to rated lamp current ( $t_{RISE}$ ) or rated lamp current to zero ( $t_{DECAY}$ ).

These curves are representative characteristics. For specific specifications, please contact the factory.

## Notes:

- ① P.D. at 25°C case temperature. Derate linearly to 0 at 75°C. Allowable PHOTOMOD dissipation is determined by the photocell temperature which must not exceed 75°C for continuous operation.
- ② After 24 hours on.
- ③ Rise time measured after 24 hours on + 5 seconds off.
- ④ Decay time measured from 24 hours on.