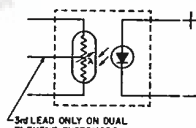


CLM8200
CLM8200/2

The CLM8200/2 features a plastic dual photocell output for applications requiring dual channel control. The outputs are balanced over an I_f range of 1ma to 40ma, along with an excellent resistance ratio.

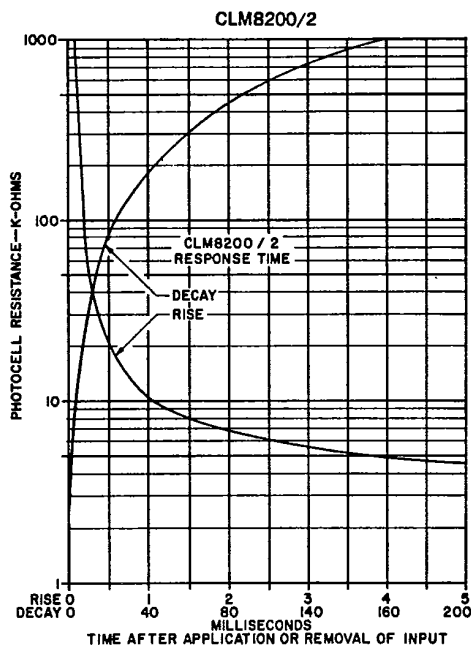
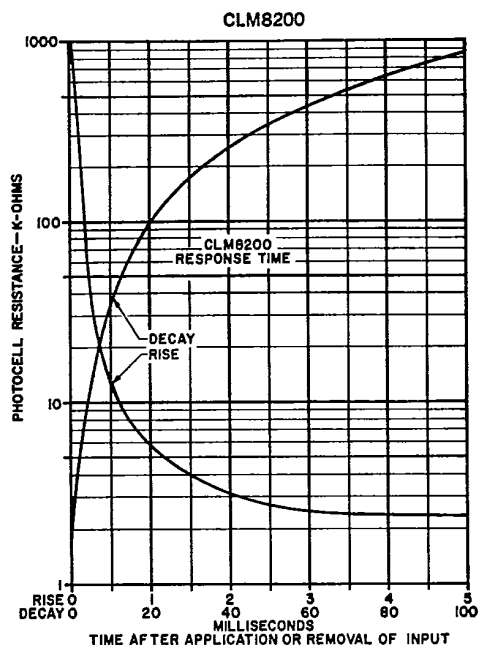


LED	CHARACTERISTICS	TEST CONDITIONS	CLM8200			CLM8200/2			UNITS
			Min.	Typ.	Max.	Min.	Typ.	Max.	
I_F max.	Maximum forward current				40			40	mA
V_F	Forward voltage	$I_F = 16 \text{ mA}$			2.0			2.0	volts
I_R	Reverse current	$V_R = 4 \text{ V}$			100			100	μA
PHOTOCELL V_{MAX}	Cell voltage				220			100	volts DC or PAC
P ①	Power dissipation	25°C			125			125	milliwatts
PHOTOMOD R_{ON} ②	On resistance	$I_F = 16 \text{ mA}$			2.8K			③⑤ 5 K	ohms
R_{OFF}	Off resistance	10 sec. after $I_F \rightarrow 0$ 4 VDC on cell		10 Meg			10 Meg		ohms
t_R ③	Rise time	Time to 63% of final condition at $I_F = 16 \text{ mA}$		3			3.5		milliseconds
t_D ④	Decay time	Time to 100K		20			30		milliseconds
V_{BD}	Isolation			2500			2500		volts DC or PAC
dRc/dt	Cell temperature coefficient	$I_F \geq 5 \text{ mA}$			0.6			0.6	%/°C

Operating — Derate power to 0 at 75°C

U.L. RECOGNIZED COMPONENT

PC-LED PHOTOMOD SLOPE CHARACTERISTICS *T-41-81*



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.
- ⑤ Each element.
- ⑥ Inter-element balance $\pm 25\%$ from $I_F = 1 - 40\text{mA}$

