



**PHOTO CHEMICAL PRODUCTS
OF CALIFORNIA, INC.**

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SOLID STATE VISIBLE LED LAMPS

Date: August, 1981

No: PDS103

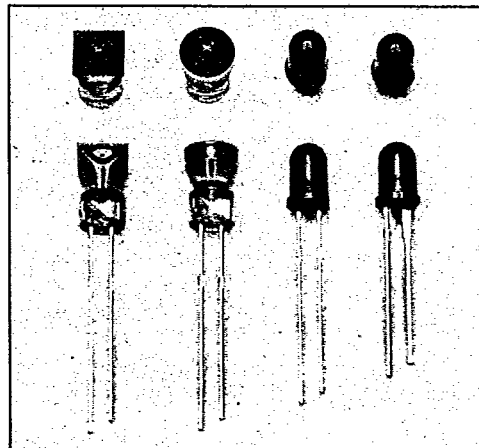
FEATURES

- CHOICE OF FOUR COLORS

Red
Green
Yellow
Orange

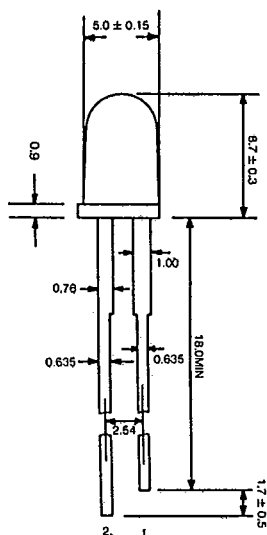
- LOW COST
- HIGH INTENSITY
- WIDE ANGLE VIEWING
- IC COMPATIBLE
Solid state reliability
- FLAT END MODELS
- GENERAL PURPOSE LEADS

DIMENSIONS (mm)

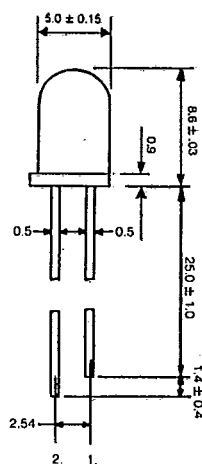


APPLICATIONS

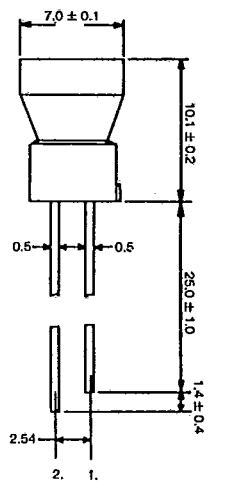
- Backlighted panels
- Status indicators
- Overlays
- Bar graphs
- Lighted switches



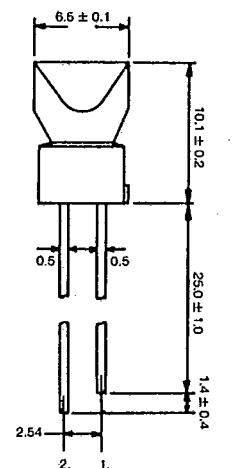
PACKAGE A



PACKAGE B



PACKAGE C



PACKAGE D

SPECIFICATIONS

PART NUMBER	LENS COLOR AND MATERIAL	MAX RATINGS (T _A = 25°C)			ELECTRO-OPTICAL CHARACTERISTICS				λ p @	PACKAGE	DESCRIPTION
		P mW	I _F mA DC	V _R VDC	V _F @ I _F = 20mA		I _V @ I _F = 20mA		I _F = 20mA		
					TYP V	MAX V	MIN mcd	TYP mcd	nm		
PC5211R	Red dlffused	80	40	4	1.7	2.0	0.7	1.5	660	A	Low cost Indicators
PC5215G	Green dlffused	108	40	4	2.2	2.7	0.5	1.0	565		
PC5332R	Red dlffused	81	30	4	2.1	2.7	4.0	7.0	700	B	High brightness wide angle Indicators
PC5333E	Orange dlffused	108	40	4	1.9	2.7	5.0	10.0	630		
PC5334Y	Yellow dlffused	108	40	4	2.1	2.7	3.5	7.0	585		
PC5335G	Green dlffused	108	40	4	2.2	2.7	3.0	6.0	565		
PC5336HR	Red dlffused	108	40	4	1.9	2.7	6.0	12.0	630		
PC7372R	Red fresnel	108	40	4	1.9	2.7	10.0	20.0	630	C	Round flat end with fresnel type rings
PC7374Y	Yellow fresnel	108	40	4	2.1	2.7	5.0	10.0	585		
PC7375G	Green fresnel	108	40	4	2.2	2.7	4.0	8.0	565		
PC9322R	Red fresnel	108	40	4	1.9	2.7	10.0	20.0	630	D	Square flat end with fresnel type rings
PC9324Y	Yellow fresnel	108	40	4	2.1	2.7	5.0	10.0	585		
PC9325G	Green fresnel	108	40	4	2.2	2.7	4.0	8.0	565		

Common Notes: 1) Operating and storage temperature — -25°C to $+80^\circ\text{C}$

2) Reverse current $I_R @ V_R = 4\text{VDC}$ — $10\mu\text{A}$ Max

3) Soldering temperature (3.0mm from body) — 260°C for 5 seconds

4) Derate linearly from 25°C — If operating at max rating

RELATIVE SPECTRAL CHARACTERISTICS

