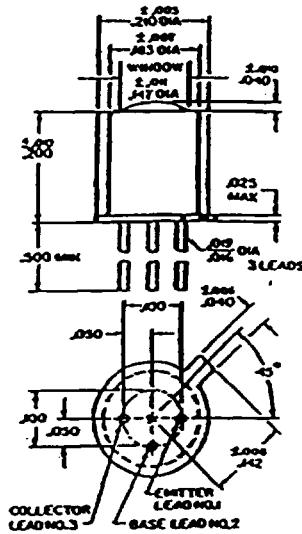


**SILONEX**

## NPN SILICON PLANAR EPITAXIAL PHOTOTRANSISTORS

### General Description

The SLT-50L series of silicon planar epitaxial phototransistors is available in a hermetically sealed TO-18 package. The high profile lensed cap allows an acceptance half angle of 10° measured from the optical axis to the half power point. These units offer high power dissipation with a full range of high current sensitivity for low illumination levels. Spectrally matched to Silonex infrared emitting diodes.



ABSOLUTE MAXIMUM RATINGS ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

Collector-Emitter Voltage	40 Volts
Emitter-Collector Voltage	7.5 Volts
Collector-Base Voltage	60 Volts
Storage Temperature Range	-65°C to +150°C
Operating Temperature Range	-55°C to +125°C
Lead Soldering Temp(5 sec, 1/16" from case)	240°C
Power Dissipation	250 mW
Derate linearly above 25°C	2 mW/°C

## ELECTRICAL CHARACTERISTICS @ 25°C

\*The light source is a frosted Tungsten Incandescent Lamp @ 2870°K

\*The light source is a gallium arsenide LED with a rise time less than 300 ns