

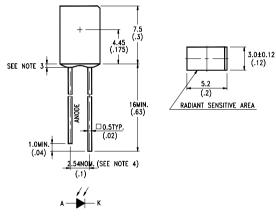
Features

- High photo sensitivity.
- · Suitable for infrared radiation.
- · Low junction capacitance.
- High cut-off frequency
- Fast switching time.

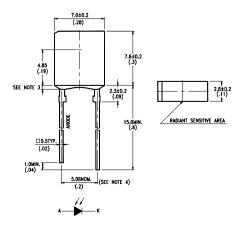
Description

The LTR-516AD/LTR-526AD/LTR-536AD/LTR-546AD are special dark plastic package that cut the visible light and suitable for the detectors of infrared applications.



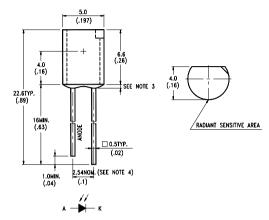




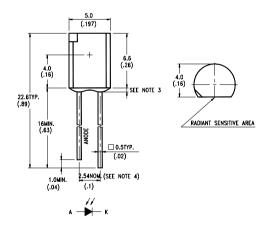


Package Dimensions

LTR-516AD



LTR-526AD



Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is \pm 0.25mm (.010") unless otherwise noted.
- 3. Protruded resin under flange is 1.5mm (.059") max.
- 4. Lead spacing is measured where the leads emerge from the package.
- 5. Specifications are subject to change without notice.

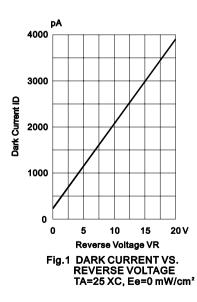
Absolute Maximum Ratings at Ta=25°C

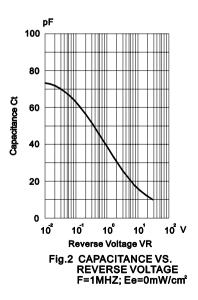
Parameter	Maximum Rating	Unit		
Power Dissipation	150	mW		
Reverse Break Down Voltage	30	V		
Operating Temperature Range	-40°C to +85°C			
Storage Temperature Range	-55°C to +100°C			
Lead Soldering Temperature [1.6mm (.063 in.) from body]	260°C for 5 Seconds			

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Reverse Break Down Voltage	V(BR)R	30			V	IR=100 _µ A Ee=0mW/cm ²
Reverse Dark Current	ID(R)			30	nA	V _R =10V Ee=0mW/cm ²
Open Circuit Voltage	Voc		350		mV	λ =940nm Ee=0.5mW/cm ²
Rise Time	Tr		50		nsec	VR=10V
Fall Time	Tf		50		nsec	− λ =940nm R∟=1K Ω
Light Current	ls	1.7	2		μA	V_{R} =5V λ =940nm Ee=0.1mW/cm ²
Total Capacitance	Ст		25		۶F	R=3V VF=1MHZ Ee=0mW/cm ²
Wavelength of the Max Sensitivity	λ SMAX		900		nm	

Typical Electrical/Optical Characteristic Curves (25°C Ambient Temperature Unless Otherwise Noted)

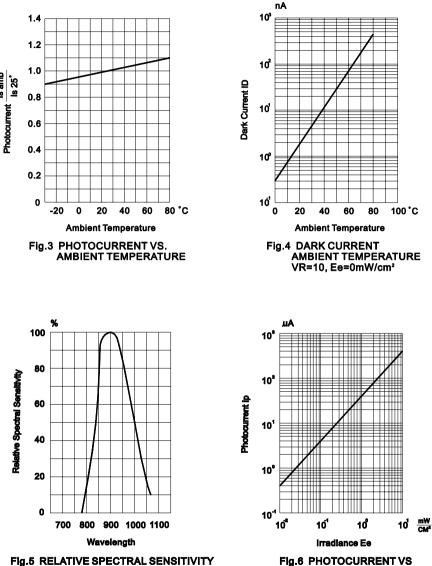




Typical Electrical/Optical Characteristic Curves (25°C Ambient Temperature Unless Otherwise Noted)

VS WAVELENGTH

ls amb



IRRADIANCE A= 940 nm

Typical Electrical/Optical Characteristic Curves (25°C Ambient Temperature Unless Otherwise Noted)

