

EL333

The EL333 is a Double-end Type IR Emtting Diode mounted in a compact clear package.

EL333 is compact size and easy to mount on small space.

Features

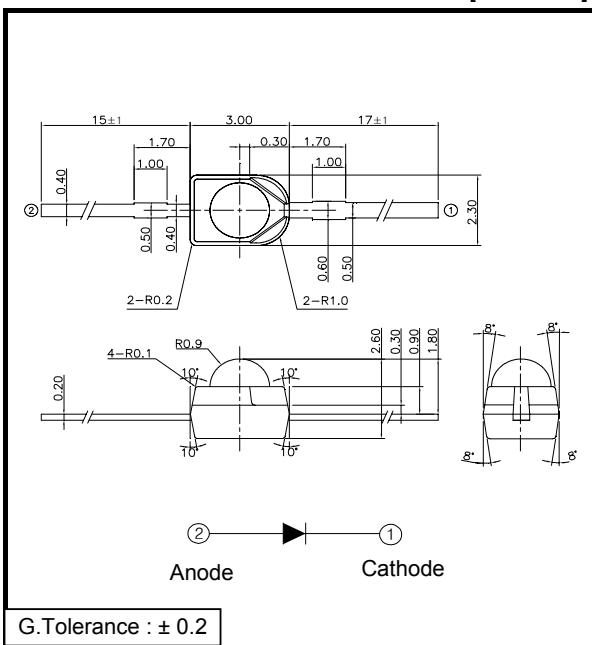
- Compact package with double-end leads
- Clear plastic package
- RoHS Compliant

Applications

- Photointerrupter
- Optical switches
- Transmission sensor

Dimensions

[Unit : mm]

**Absolute Maximum Ratings**

[Ta = 25°C]

Parameter	Symbol	Rating	Unit
Forward Current	I _F	50	mA
Reverse Voltage	V _R	5	V
Pulse Forward Current*1	I _{FP}	1	A
Power Dissipation	P _D	75	mW
Operating Temperature	T _{opr.}	-25~ + 85	°C
Storage Temperature	T _{stg.}	-30~ + 80	°C
Soldering Temperature*2	T _{sol}	260	°C

*1. Pulse width tw=100μsec, cycle T=10msec

*2. Distance from end of the package =2mm, time=5sec, Max.

Electro-Optical Characteristics

[Ta = 25°C]

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Forward Voltage	V _F	I _F =50mA	-	1.2	1.5	V
Reverse Current	I _R	V _R =5V	-	-	10	μA
Capacitance	C _T	f=1MHz	-	25	-	pF
Radiant intensity	P _O	I _F =20mA	0.8	-	-	mV
Peak Wavelength	λ _p	I _F =20mA	-	940	-	nm
Spectral Width at FWHM	Δλ	I _F =20mA	-	50	-	nm
Half Angle	Δθ		-	± 20	-	degrees

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