

The EL - 316 is a high - power GaAs IRED mounted in a clear epoxy package.

FEATURES

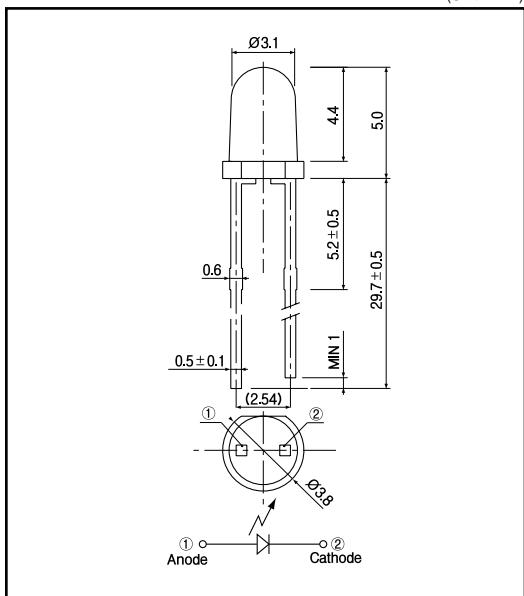
- ø 3 casting mold type
- High output power

APPLICATIONS

- VTR
- Optical remote controllers
- Transmission sensors

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25 °C)

Item	Symbol	Rating	Unit
Reverse voltage	V _R	4	V
Forward current	I _F	60	mA
Power dissipation	P _D	80	mW
Pulse forward current ^{*1}	I _{FP}	0.5	A
Operating temp.	T _{opr.}	- 25 + 80	
Storage temp.	T _{stg.}	- 40 + 85	
Soldering temp. ^{*2}	T _{sol.}	240	

^{*1}. pulse width : tw 100 μ sec. period : T=10msec.

^{*2}. For MAX.5 seconds at the position of 2 mm from the package

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25 °C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Forward voltage	V _F	I _F =40mA		1.2	1.5	V
Reverse current	I _R	V _R =4V			10	μA
Peak emission wavelength	λ	I _F =40mA		940		nm
Spectral bandwidth		I _F =40mA		50		nm
Radiant intensity	P _O	I _F =40mA	10	20		mW/sr
Half angle				±17		deg.

Infrared Emitting Diodes(GaAs)

EL - 316

