

The EL - 6F11 is a high - power GaAs IRED mounted in a clear epoxy package. This IRED is both compact and easy to mount.

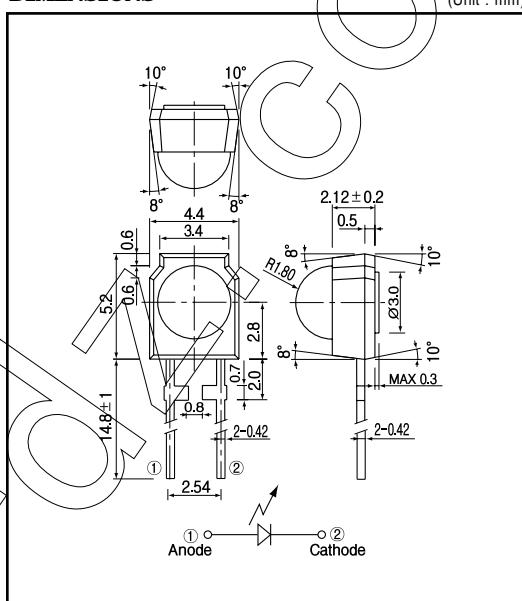
FEATURES

- Plastic mold package with a large caliber lens
- High output power

APPLICATIONS

- Optical switches

DIMENSIONS



MAXIMUM RATINGS

Item	Symbol	Rating	Unit
Reverse voltage	V_R	4	V
Forward current	I_F	50	mA
Power dissipation	P_D	80	mW
Pulse forward current ^{*1}	I_{FP}	1	A
Operating temp.	Topr.	- 25 + 85	
Storage temp.	Tstg.	- 40 + 85	
Soldering temp. ^{*2}	Tsol.	260	

^{*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)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Forward voltage	V_F	$I_F=50\text{mA}$		1.3	1.65	V
Reverse current	I_R	$V_R=4V$			10	μA
Peak emission wavelength	λ	$I_F=20\text{mA}$		940		nm
Spectral bandwidth		$I_F=20\text{mA}$		50		nm
Radiant Intensity ^{*3}	P_O	$I_F=50\text{mA}$	2.5	6.0		V
Half-angle		$I_F=20\text{mA}$		± 25		deg.

^{*3}. Measured by tester of KODENSHI CORP.

Infrared Emitting Diodes(GaAs)

EL - 6F11

