

Infrared Emitting Diode(GaAs) KEL1001L

Description

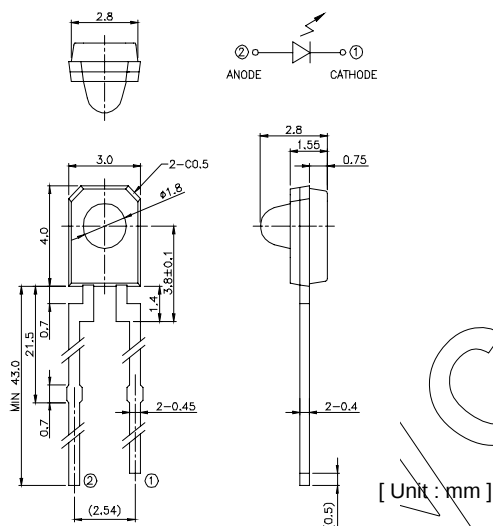
The KEL1001L, high-power GaAs IRED mounted in a clear side-looking package, is compact, narrow radiant angle, and easy to mount.

Features

- High power with narrow radiant angle
- Side-looking with plastic package
- RoHS Compliant



Outline Dimensions



Application

- Photointerrupter
- Optical switches
- Mouse, toys

Characteristics

[Ta= 25°C]

Description	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Current	I_F		-	50	-	mA
Reverse Voltage	V_R		-	5	-	V
Power Dissipation	P_D		-	100	-	mW
Radiant intensity	P_O	$I_F=20\text{mA}$	-	5	-	mW/sr
Forward Voltage	V_F	$I_F=20\text{mA}$	-	1.2	2.0	V
Peak Wavelength	λ_p	$I_F=20\text{mA}$	-	940	-	nm
Half Angle	$\Delta\theta$		-	10	-	deg.