

KET - 511

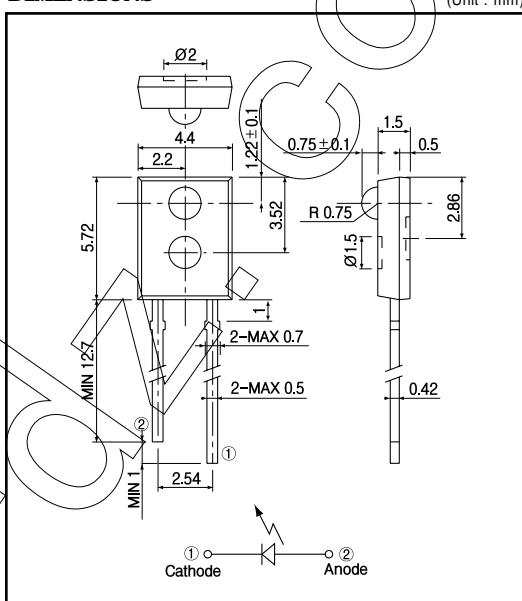
The KET - 511 is a GaAs IRED mounted in a low profile clear epoxy package. This IRED is both compact and easy to mount.

FEATURES

- Plastic mold package

APPLICATIONS

- Photointerrupters
- Mouses
- Encoders

DIMENSIONS**MAXIMUM RATINGS**

Item	Symbol	Rating	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	50	mA
Power dissipation	P_D	75	mW
Pulse forward current ^{*1}	I_{FP}	1	A
Operating temp.	Topr.	- 30 + 85	
Storage temp.	Tstg.	- 25 + 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	$I=20mA$		1.2	15	V
Reverse current	I_R	$V_R=5V$			10	μ A
Peak emission wavelength	λ_p	$I_F=20mA$		940		nm
Spectral bandwidth		$I_F=20mA$		50		nm
Radian Intensity ^{*3}	P_O	$I_F=4mA$				mW/sr
Half-angle				± 40		deg.

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

Infrared Emitting Diodes(GaAs)

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