

[查询EL-1ML2供应商](#)

[捷多邦，专业PCB打样工厂，24小时加急出货](#)

## Infrared Emitting Diodes(GaAs)

急出货

KODENSHI

# EL - 1ML2

The EL - 1ML2, a high - power GaAs IRED mounted in a TO - 18 type header with clear epoxy encapsulation, has wide beam angle and is relatively low - cost compared to TO - 18 can - type devices.

### FEATURES

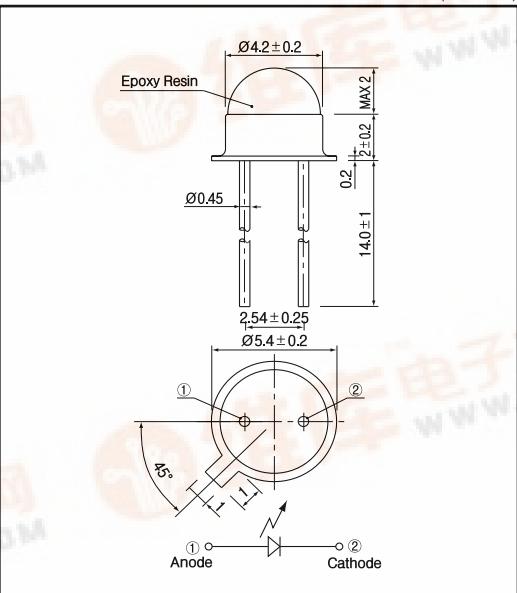
- Wide beam angle
- Relative low cost against metal can package
- Low profile package

### APPLICATIONS

- Optical switches
- Encoders
- Optical readers

### DIMENSIONS

(Unit : mm)



### MAXIMUM RATINGS

(Ta=25 )

Item	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	5	V
Forward current	I <sub>F</sub>	100	mA
Pulse forward current <sup>**1</sup>	I <sub>FP</sub>	1	A
Power dissipation	P <sub>D</sub>	170	mW
Operating temp.	T <sub>opr.</sub>	- 25 ~ + 100	
Storage temp.	T <sub>stg.</sub>	- 25 ~ + 100	
Soldering temp. <sup>**2</sup>	T <sub>sol.</sub>	260	

\*1. pulse width : tw 100 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 <sub>F</sub>	I <sub>F</sub> =50mA		1.2	1.5	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =5V			10	µA
Capacitance	C <sub>T</sub>	f=1MHz		25		pF
Radiant intensity	P <sub>O</sub>	I <sub>F</sub> =50mA		2.7		mW/sr
Peak emission wavelength	λ	I <sub>F</sub> =50mA		940		nm
Spectral bandwidth 50%		I <sub>F</sub> =50mA		50		nm
Half angle				± 32		deg.

## Infrared Emitting Diodes(GaAs)

EL - 1 ML2

