



YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO : Q192Y4

Package 1.6*0.8mm*0.6mm Chip LEDs

Features :

- Package in 8mm tape on 7" diameter reel
- Compatible with automatic placement equipment
- Compatible with reflow solder process

Applications :

- Indicators
- Automotive : backlighting in dashboard and switch
- Backlight for LCD

Dice material	Emitted color	Lens Color
AlGaInP	Yellow	Water Clear

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Dominant wavelength	I _F =20mA	λ_D	584		594	nm
Forward voltage	I _F =20mA	V _F	1.8		2.4	V
Luminous intensity	I _F =20mA	I _v	80	130	250	mcd
Viewing angle at 50% I _v	I _F =10mA	2 θ 1/2		120		Deg
Reverse current	V _R =5V	I _R			10	μ A

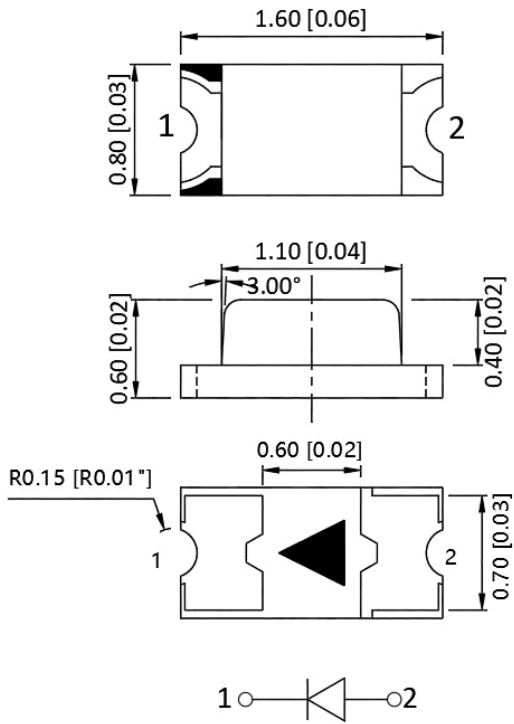
Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Value	Unit
Power dissipation	P _d	72	mW
Forward current	I _F	30	mA
Reverse voltage	V _R	5	V
Operating temperature range	T _{op}	-40 ~+80	°C
Storage temperature range	T _{stg}	-40 ~+85	°C
Peak pulsing current (1/8 duty f=1kHz)	I _{FP}	125	mA

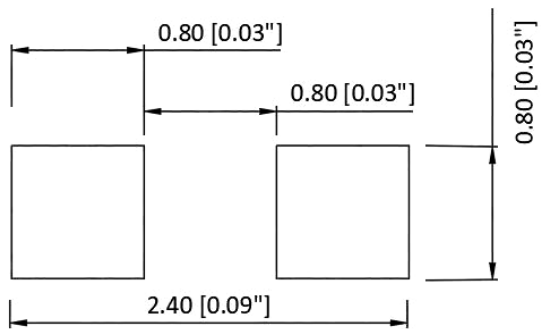


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PACKAGING DIMENSIONS (mm):



Recommend Pad Layout



Notes:

1. All dimensions are in millimeters (inches);
2. Tolerances are $\pm 0.1\text{mm}$ (0.004inch) unless otherwise noted.



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Typical Electrical/Optical Characteristics Curves

