



YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO : S133BDS4

3.2*2.4*2.5mm 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
InGaN	Blue	Water transparent

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Luminous Intensity	I _v	IF=20mA	450	900	1600	mcd
Dominant Wavelength	λ _D	IF=20mA	455	465	475	nm
Viewing Angle	2θ _{1/2}	IF=20mA		15		Deg
Forward Voltage	V _F	IF=20mA	2.8	3.1	3.70	V
Reverse Current	I _R	VR=5V			10	μA

Absolute Maximum Ratings(Ta=25°C)

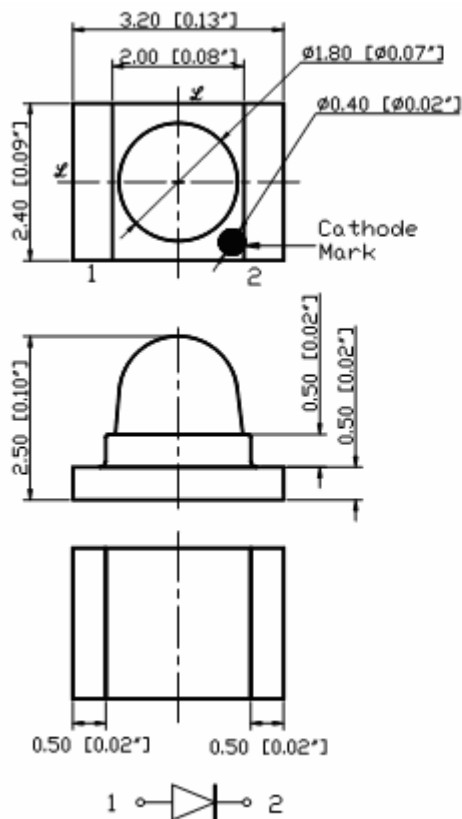
Parameter	Symbol	Maximum	Unit
Power Dissipation	P _d	75	mW
Peak pulsing current (1/8 duty f=1kHz)	IF(Peak)	111	mA
Continuous Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-40 to +80	°C
Storage Temperature Range	Tstg	-40 to +85	°C

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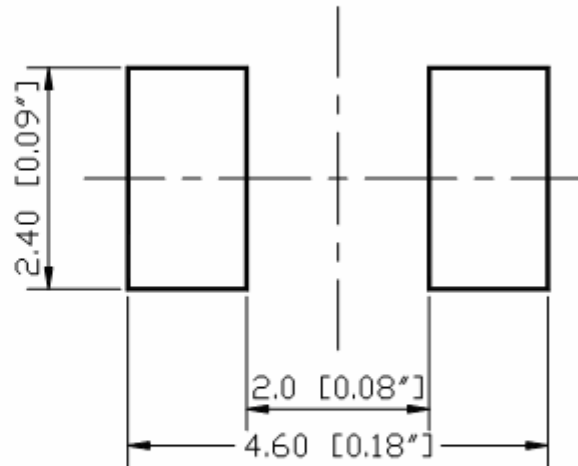


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Package Dimensions



RECOMMEND PAD LAYOUT



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