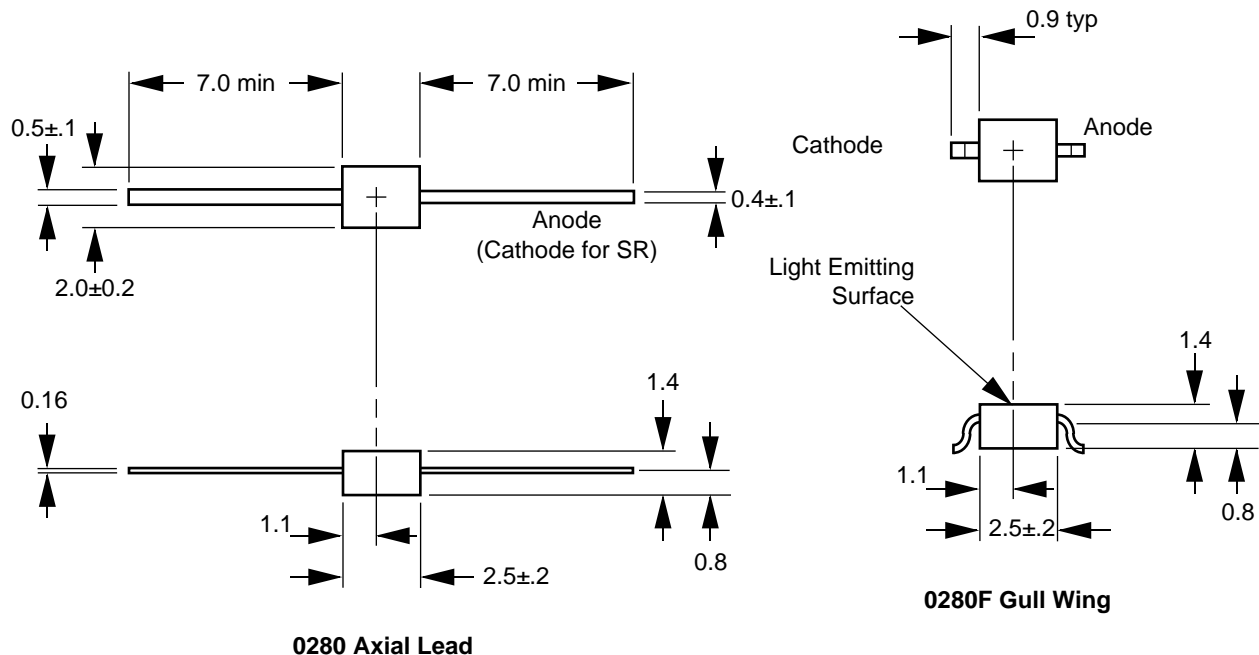


2 x 2.5 mm Axial Lead LED Lamp J Series, 0280, 0280F and 0288F Series



The 0280 series is a subminiature package designed for applications such as PCB indication, switch backlighting, and keyboard illumination. Extra bright dice are used to obtain high light output with extra wide spatial distribution. The 0280 series is compatible with vapor phase reflow surface mounting as well as conventional soldering. For high volume applications, the 0280F with formed leads is also available in tape and reel as the 0288F series for automated equipment. There are no optical or electrical differences between the 0280 and 0288 series.



RoHS Compliant
Aug 2004

GENERAL INFORMATION

| | |
|--|-------------------|
| Operating Temperature Range | -40 °C to +85 °C |
| Storage Temperature Range | -40 °C to +100 °C |
| Lead Soldering Temperature, 1.6 mm from Body | 260 °C for 5 sec |

| Part No. | Emitted Color | Peak | $\Delta\lambda$ | Absolute Maximum Ratings | | | | | E/O Characteristics | | | | | |
|----------|---------------|-----------|-----------------|--------------------------|---------|-----|----|----|-----------------------|-----------------------|---------------------|-----|-----------------|-----|
| | | λ | | Pd | If (mA) | | Ir | Vr | Iv (mcd) @ If=20mA | | Vf (V) @ If=20mA | | $2\Theta_{1/2}$ | |
| | | (nm) | | | (mW) | dc | | | 1/10 duty @ 1 kHz | @ Vr=5V (μ A) | (V) | 2mA | | Min |
| JRC0288 | Red | 632 | 20 | 60 | 25 | 160 | 10 | 5 | 2 | 11 | 26 | 2.0 | 2.4 | 150 |
| JGC0288 | Green | 575 | 20 | 60 | 25 | 160 | 10 | 5 | 1 | 7 | 11 | 2.0 | 2.4 | 150 |
| JYC0288 | Yellow | 591 | 15 | 60 | 25 | 160 | 10 | 5 | 2 | 11 | 27 | 2.0 | 2.4 | 150 |
| JOC0288 | Orange | 621 | 18 | 60 | 25 | 160 | 10 | 5 | 2 | 11 | 27 | 2.0 | 2.4 | 150 |
| JEC0288 | OrRed | 639 | 20 | 60 | 25 | 160 | 10 | 5 | 1 | 10 | 21 | 2.0 | 2.4 | 150 |
| JYOC0288 | YelOrng | 611 | 17 | 60 | 25 | 160 | 10 | 5 | 2 | 11 | 27 | 2.0 | 2.4 | 150 |

Specifications subject to change without notice. Dimensions are in mm±0.3 unless stated otherwise.

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013S-J028X