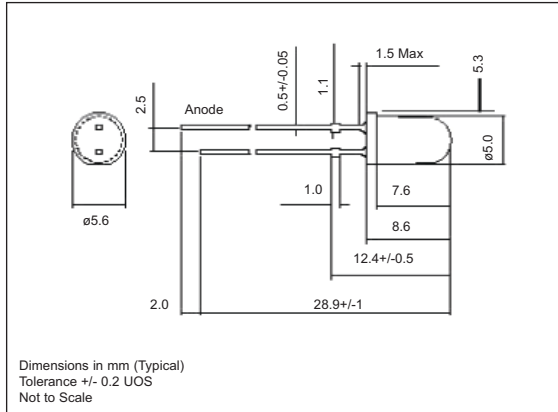


● DISCRETE LEDs - Ø 5mm



- High Intensity
- Also available as a 3mm device and in SMT format
- Solid state reliability
- Wider viewing angle version available



110147S SERIES

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

* Duty Cycle <= 1/10, Pulse Width <= 10msec

| PART NUMBER | COLOUR | TYP. FWD VOLTAGE Vf@Iopr | MAX FWD VOLTAGE Vf@Iopr | FORWARD CURRENT Iopr | MAX REV CURRENT Ir(Vr=5V) | TYPICAL LUMINOUS INTENSITY Iv@Iopr | TYPICAL CHROMATICITY COORDINATES @Iopr | VIEWING ANGLE 2θ½ |
|---|--------------------|--------------------------|-------------------------|----------------------|---------------------------|------------------------------------|--|-------------------|
| OPTICAL/ELECTRICAL CHARACTERISTICS (Ta = 25°C) | | | | | | | | |
| 110147S | White | 3.6 | 4.0 | 20 | 50 | 9200 | 0.31/0.32 | 20 |
| UNITS | Water Clear | V | V | mA | uA | mcd | x / y | deg |

| PART NUMBER | COLOUR | FORWARD CURRENT Iopr max | PEAK FWD CURRENT Ifp * | REVERSE VOLTAGE Vr max | POWER DISSIPATION P dmax | OPERATING TEMP Topr | STORAGE TEMP Tstg |
|---|--------------------|--------------------------|------------------------|------------------------|--------------------------|---------------------|-------------------|
| ABSOLUTE MAXIMUM RATINGS (Ta = 25°C) | | | | | | | |
| 110147S | White | 30 | 100 | 5 | 120 | -30 to +85 | -40 to +100 |
| UNITS | Water Clear | mA | mA | Vdc | mW | °C | °C |

PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE LEDs

Static Electricity and Surge

Static electricity and surge will damage the LED and a high standard of care must be taken during handling. It is recommended that a wristband, conductive mat or anti-electrostatic glove is used when handling the LEDs. All devices, equipment (e.g. soldering iron points) and machinery must be properly grounded.

SAFETY PRECAUTIONS FOR HANDLING HIGH BRIGHTNESS LEDs

The light output of the Products may cause injuries to human eyes in circumstances where they are viewed directly with unshielded eyes for more than a few seconds.

Please refer to European Standard BSEN 100015-1 1992 for further information.