



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## Peak Emission Wavelength: 375-380nm

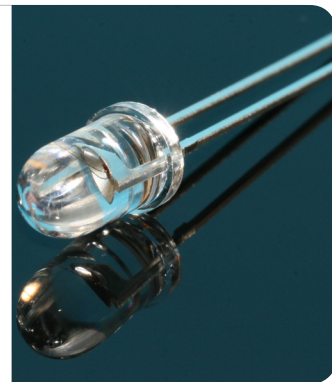
The MT5375-UV-HP is a UV T 1 3/4, 5mm water clear LED designed for applications requiring high power and high reliability packaged with straight leads.

### FEATURES

- > High Power Output
- > High Reliability
- > High Speed
- > Narrow Beam Angle

### APPLICATIONS

- > UV Curing
- > Currency Validation
- > Document Verification
- > Medical Instruments



## Absolute Maximum Ratings (Ta=25°C)

ITEMS	SYMBOL	RATINGS	UNIT
Forward Current	IF	25	mA
Peak Forward Current*1	IFP	100	mA
Reverse Current	IR	85	mA
Power Dissipation	PD	100	mW
Operating Temperature Range	Topr	-30 ~ +80	°C
Storage Temperature Range	Tstg	-30 ~ +85	°C
Lead Soldering Temperature*2	Tls	260	°C

\*1: Test Conditions: D.C.<1/10, p. width<0.1msec. \*2: Time 5 Sec max, Position: Up to 3mm from the body.

## Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	VF	IF=20mA	3.0	3.6	4.2	V
Radiant Power	Φe	IF=20mA	--	26	--	mW
Peak Emission Wavelength	λp	IF=20mA	375	--	380	nm
Viewing Angle	Θ	IF=20mA	--	40	--	deg.
Spectral Bandwidth at 50%	Δλ <sub>0.5</sub>	IF=20mA	--	15	--	nm

**RADIATION**

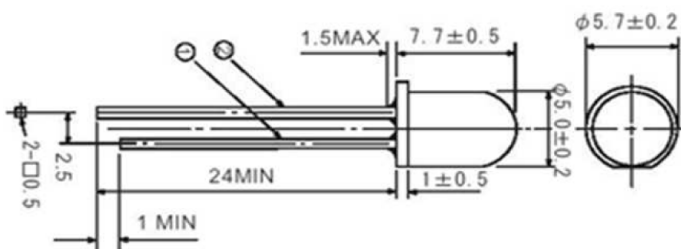
Ultra Violet

**TYPE**

Resin Mold Packaged

**CASE**

5mm Plastic Lens



Unit: mm



**CAUTION**

1. LEDs emit very strong UV radiation during operation.
2. Don't look directly into the LED light when in operation as UV radiation can harm your eyes.
3. To prevent even inadequate exposure, wear protective eyewear.
4. If LEDs are embedded in devices, please indicate warning labels against the UV LED used.
5. Avoid prolonged exposure to skin or other tissue during operation.
6. Keep out of reach of children.
7. Take appropriate precautions around pets and other living organisms to avoid UV exposure.
8. Specification and dimension are subject to change without notice.