

## Peak Emission Wavelength: 375-380nm

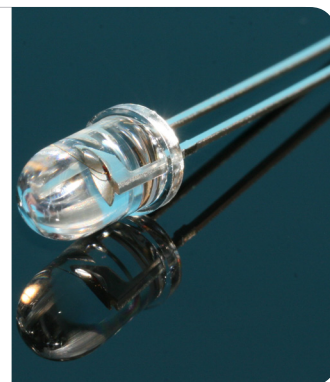
The MT5375-UV is a UV T 1 3/4, 5mm water clear LED designed for applications requiring high power and high reliability packaged with straight leads.

### FEATURES

- > High Power
- > 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	--	14	--	mW
Peak Emission Wavelength	λp	IF=20mA	375	--	380	nm
Viewing Angle	Θ	IF=20mA	--	15	--	deg.
Spectral Bandwidth at 50%	Δλ <sub>0.5</sub>	IF=20mA	--	15	--	nm

Spectral Response