

LED – Light Emitting Diode

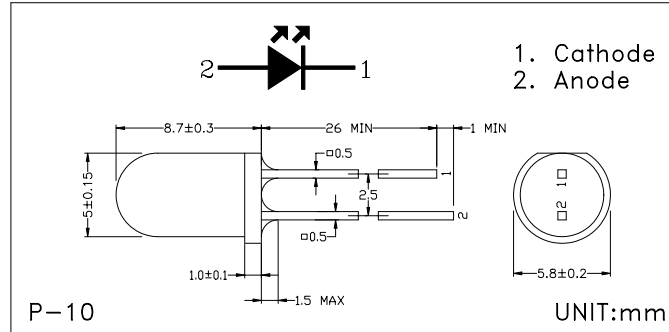
0-05-12-07

Module No.: W05310YUC

Features:

Ø5mm
YELLOW
Water Clear
Ultra Bright

Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Descriptions	Symbol	Value	Unit
Continuous Forward Current	IF	30	mA
Peak Forward Current *1	IFM	35	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-25 ~ +65	°C
Storage Temperature	Tstg	-25 ~ +85	°C
Soldering Temperature *2	Tsol	260	°C

*1 Duty ratio = 1/10, Pulse width = 0.1ms.

*2 At the position of 2mm from the bottom face of resin package within 5 sec.

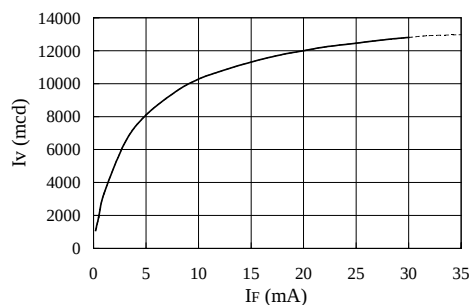
Electro-optical Characteristics

(Ta=25°C)

Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=20mA		2.0	2.8	V
Luminous Intensity *3	Iv	IF=20mA	8000	12000		mcd
Peak Emission Wavelength	λp	IF=20mA		589		nm
Spectrum Radiation Bandwidth	Δλ	IF=20mA		20		nm
Half Power Beam Angle	Δθ			±10		deg.
Terminal Capacitance	Ct			25		pF
Response Frequency	fc			8		MHz

*3 Tolerance: ±30%

Luminous Intensity vs
Forward Current



Radiation Diagram

