

LED – Light Emitting Diode

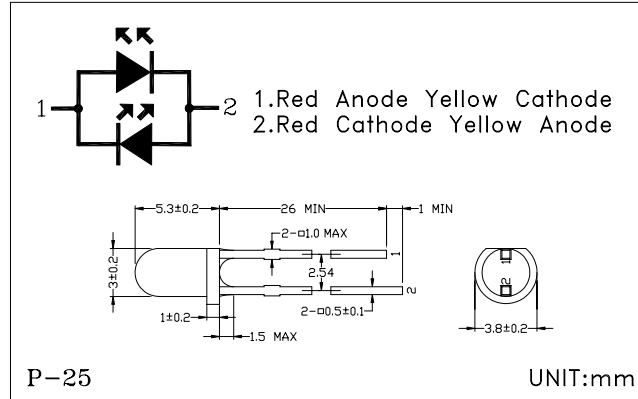
0-07-04-27 Preliminary

Module No.: W03325YRHC

Features:

Ø3mm
 Dual Color
 YELLOW + RED
 Water Clear
 High Bright
 2-Pin Bi-direction

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.

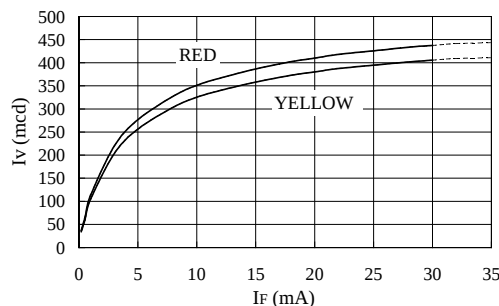
Electro-optical Characteristics

(Ta=25°C)

Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Yellow	Forward Voltage	VF	IF=20mA	2.0	2.8	V
	Luminous Intensity *3	IV	IF=20mA	190	380	mcd
	Peak Emission Wavelength	λp	IF=20mA	585		nm
	Spectrum Radiation Bandwidth	Δλ	IF=20mA	30		nm
Red	Forward Voltage	VF	IF=20mA	2.0	2.8	V
	Luminous Intensity *3	IV	IF=20mA	190	410	mcd
	Peak Emission Wavelength	λp	IF=20mA	635		nm
	Spectrum Radiation Bandwidth	Δλ	IF=20mA	45		nm
Both	Half Power Beam Angle	Δθ		±45		deg.
	Terminal Capacitance	Ct		25		pF
	Response Frequency	fc		8		MHz

*3 Tolerance: ±30%

Luminous Intensity vs
Forward Current



Radiation Diagram

