



Module No.: W05310VSC-W1-DI3

Dimensions

2. DIMENSIONS

1. Cathode
2. Anode

Technical drawing of the P-10 tube showing side and end views with dimensions.

Side View Dimensions:

- Overall length: 24 MIN
- Distance from base to center of pins: 8.7 ± 0.3
- Base width: 5 ± 0.15
- Pin diameter: $\phi 0.5$
- Pin length: 2.5
- Distance between pins: 2
- Base thickness: 1 MIN
- Base width at bottom: 10 ± 0.1
- Base thickness at bottom: 1.5 MAX

End View Dimensions:

- Overall diameter: $\phi 2$
- Distance between pins: 1ϕ
- Overall width: 5.8 ± 0.2

P-10

UNIT:mm

(Ta=25°C)

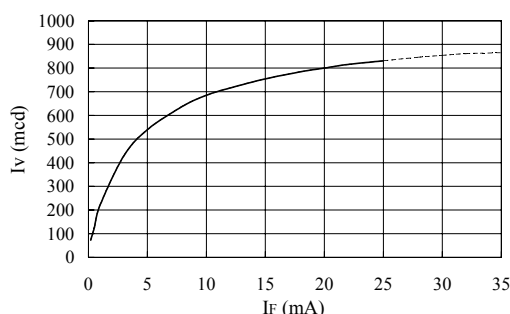
Descriptions	Symbol	Value	Unit
Continuous Forward Current	IF	25	mA
Peak Forward Current *1	IFM	35	mA
Reverse Voltage	VR	0.5	V
Operating Temperature	Topr	-25 ~ +65	°C
Storage Temperature	Tstg	-25 ~ +85	°C
Soldering Temperature *2	Tsol	260	°C

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

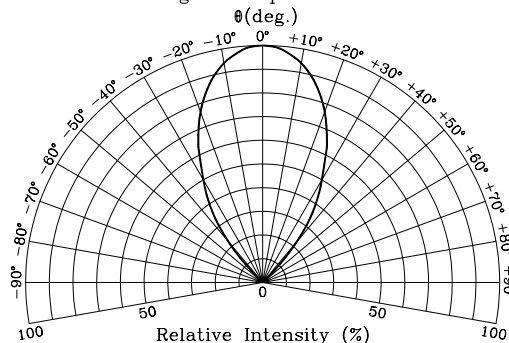
(Ta=25°C)

Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA		3.6	4.0	V
Luminous Intensity *3	I _v	I _F =20mA	520	800		mcd
Peak Emission Wavelength	λ _p	I _F =20mA		400		nm
Spectrum Radiation Bandwidth	Δλ	I _F =20mA		20		nm
Half Power Beam Angle	Δθ			±30		deg.
Terminal Capacitance	C _t			300		pF
Response Frequency	f _c			5		MHz

Luminous Intensity vs Forward Current



Angular Displacement



The light emitted by this LED can cause serious hurt to human eye if viewed directly into the light beam or through any lenses or fibers when the device is activated. For optical axis alignment or other operations, we strongly recommend you to use an infrared sensitive camera (ITV) or to wear protection goggles.