# ■ PIN PHOTO DIODE

# PP403

## ■ Absolute Maximum Rating

Ta = 25°C

| Part No. | Power Dissipation Pd | Reverse Voltage $V_R$ | Operating Temperature Topr | Storage Temperature Tstg |
|---|---|---|---|---|
| **PP403** | 75 | 30 | -30~+85 | -30~+100 |
| Units | mW | V | °C | °C |

## ■ Electro-Optical Characteristics

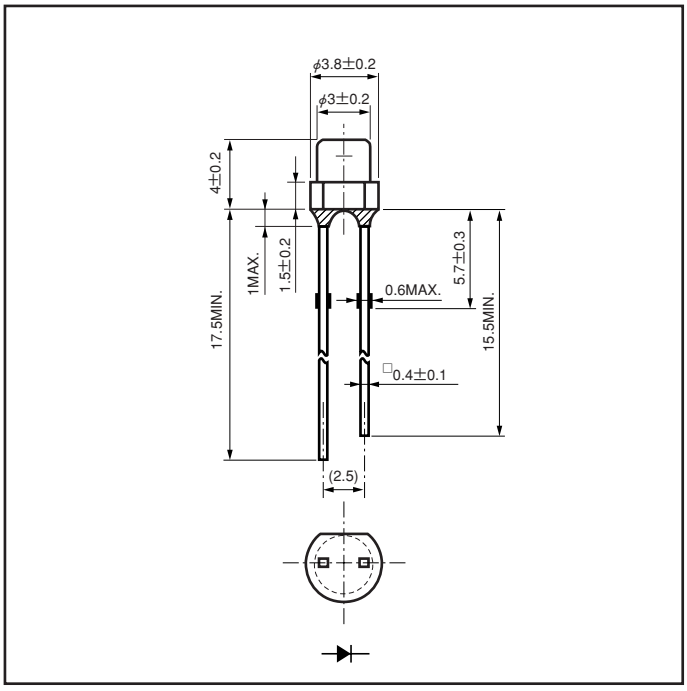
Ta = 25°C

| Part No. | Photo Current Ip | | | Response Time tr·tf | | | Capacitance※1 $C_T$ | | Dark Current $I_D$ | | Peak Wavelength λp | | Photo Sensitivity S | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TYP | $V_R$ | Ee | TYP | $V_R$ | $R_L$ | TYP | $V_R$ | MAX | $V_R$ | TYP | $V_R$ | TYP | $V_R$ |
| **PP403** | 1.5 | 5 | 0.5 | 20 | 10 | 1,000 | 7 | 10 | 10 | 10 | 950 | 0 | 0.64 | 5 |
| Units | μA | V | mW/cm$^2$ | ns | V | Ω | pF | V | nA | V | nm | V | A/W | V |

※1 f=1MHz

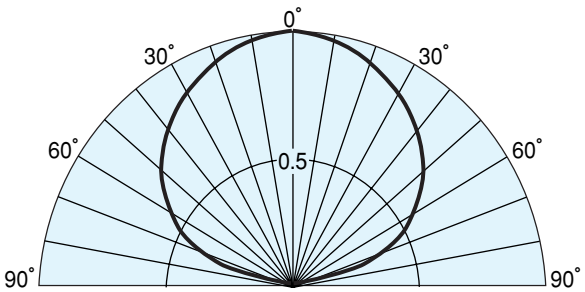
## ■ Package Dimensions

Unit : mm




## ■ Spatial Distribution

Ta = 25°C



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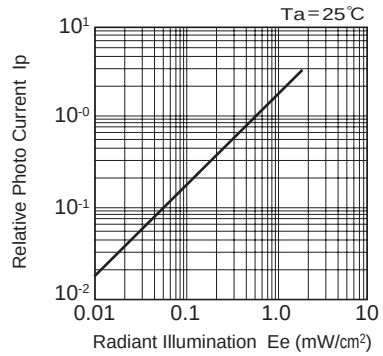
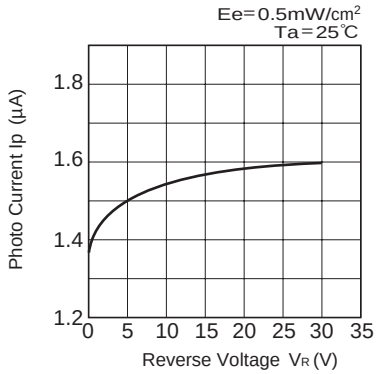
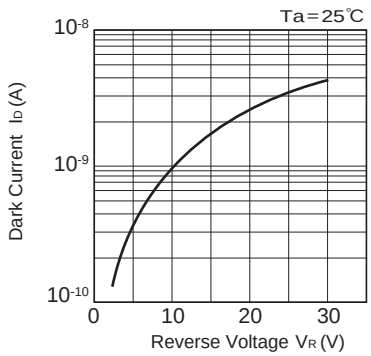
■ Radiant Illumination vs. Relative Photo Current



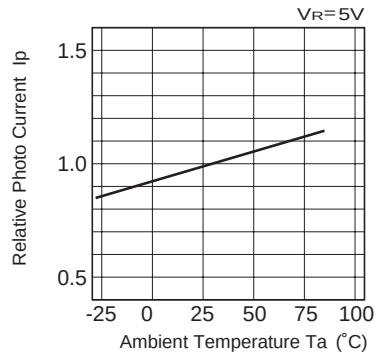

■ Reverse Voltage vs. Photo Current



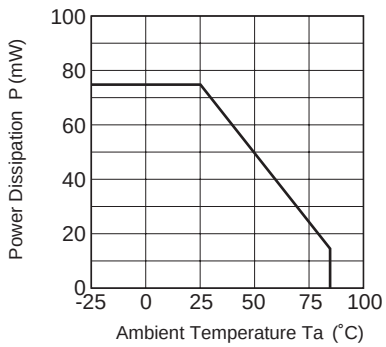

■ Reverse Voltage vs. Dark Current



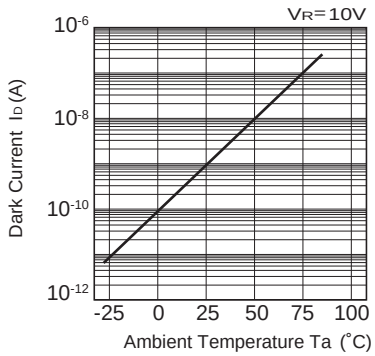

■ Ambient Temperature vs. Relative Photo Current



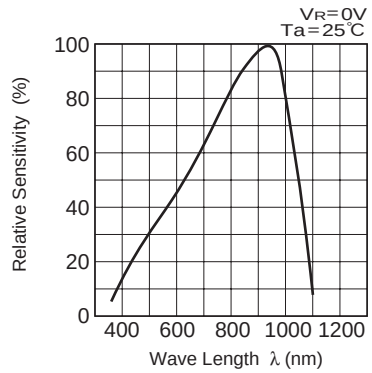

■ Ambient Temperature vs. Power Dissipation




■ Ambient Temperature vs. Dark Current




■ Spectral Sensitivity Characteristics




■ Reverse Voltage vs. Terminal Capacitance