

## φ150 μm RED Pin-Point LED Chip OPA6515PPS

### 1. Product Name

φ150 μm RED Pin-Point LED Chip OPA6515PPS

### 2. Absolute Maximum Ratings

Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	180	mW
Forward Current	IF	70	mA
Reverse Voltage	VR	3	V
Operating Temperature	Topr	-30~+85	°C
Storage Temperature	Tstg	-40~+100	°C

### 3. Electro-Optical Characteristics

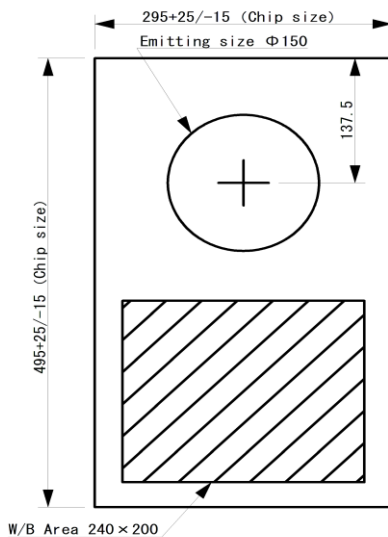
Ta=25°C

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=20mA	-	1.9	2.4	V
Reverse Current	IR	VR=3V	-	-	1.0	μA
Radiated Power※	Po	IF=20mA	1.00	1.20	-	mW
Peak Wavelength	λp	IF=20mA	-	650	-	nm

※ LED chip is mounted on TO-18 stem without resin coated.

Radiated Power is all light quantity that measured in integrating sphere owned by us.

### 4. Dimension (Unit: μm)



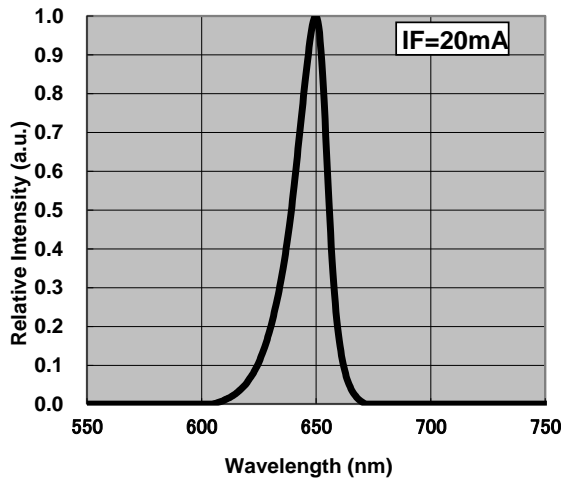
Material	AlGaInP/GaAs sub.
Emitting Surface	P Side
Surface Electrode	Al
Back Electrode	Au Alloy
Thickness	280±15 μm

The contents of this data sheet are subject to change without advance notice for the purpose of improvement. When using this product, would you please refer to the latest specifications.

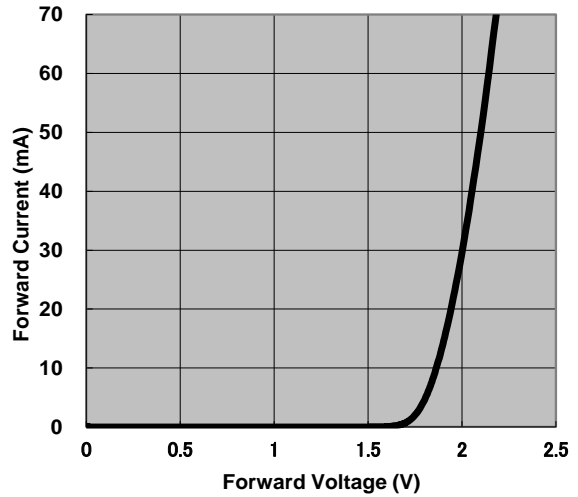
Issued : 2021/10/29 ver5 Design section : Compound Device Design

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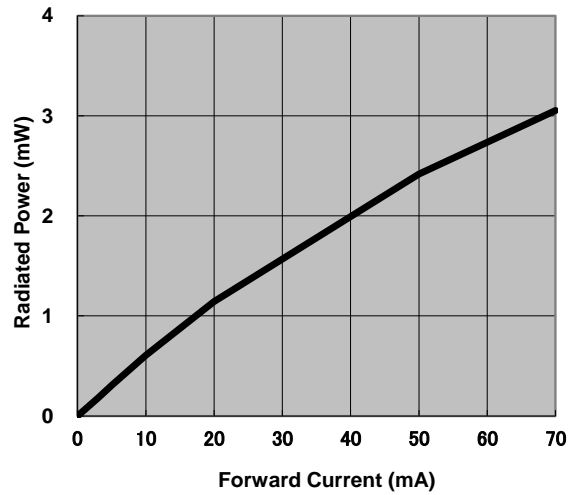
**Emission Spectrum**



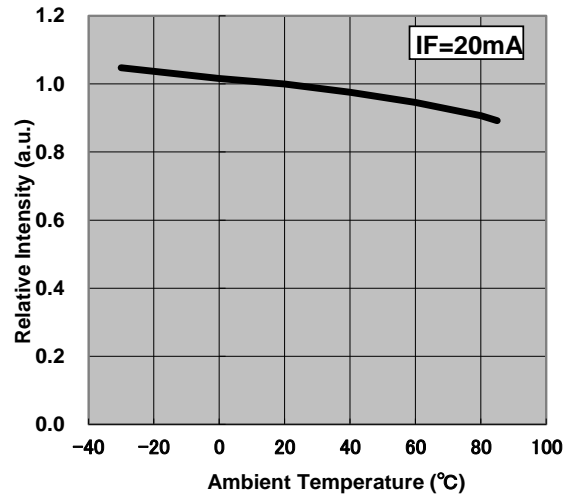
**Forward Voltage vs. Forward Current**



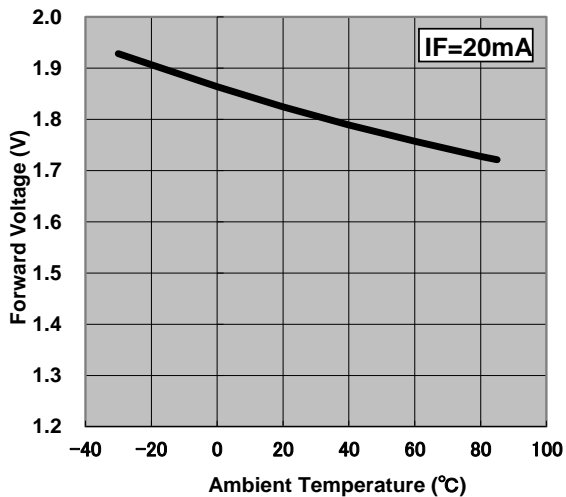
**Forward Current vs. Radiated Power**



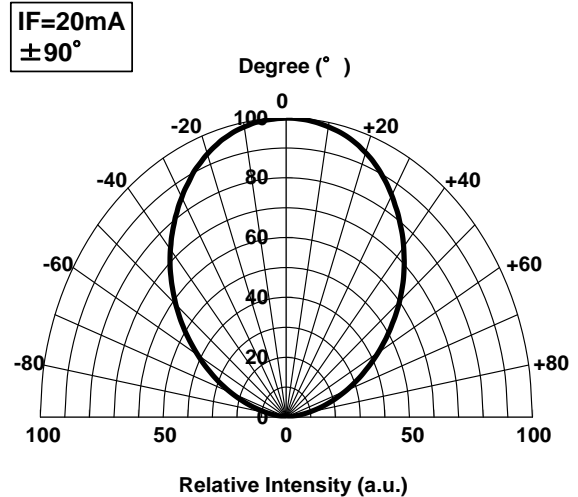
**Ambient Temperature vs. Radiated Power**



**Ambient Temperature vs. Forward Voltage**



**Directivity**



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