

HIGH LUMINANCE MIRROR TYPE LED AOP3-5305T2

Visible LED

◆ Die & Package

Item	Value
Peak wavelength (typ)	525 nm
Package	Reflective Mirror Type



◆ Absolute Maximum Ratings

Ta = 25°C

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	97	mW
Forward Current (DC)	I _F	30	mA
Pulse Forward Current (**)	I _{FRM}	120	mA
Reverse Voltage (DC)	V _R	5	V
Operating Temperature	T _{opr}	-30 ~ +75	°C
Storage Temperature	T _{stg}	-30 ~ +80	°C

** I_{FRM}: PW(Pulse width) ≤ 100 μ sec, duty ≤ 1/100

◆ Electro-optical Characteristics

Ta = 25°C

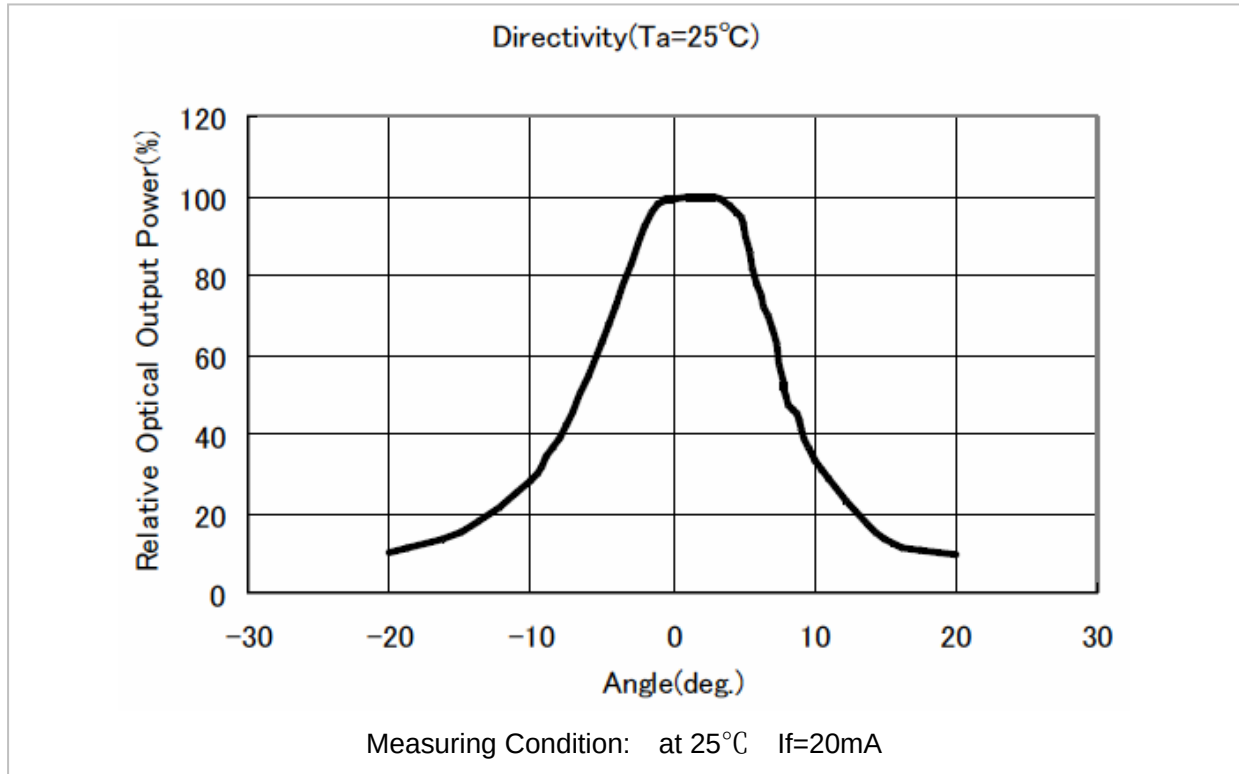
Parameter	Symbol		Value	Unit	
Forward Voltage	V _F	Typ	3.4	V	I _F = 20mA
		Max	3.8		
Reverse Current	I _R	Max	2	μ A	V _R = 5V
Peak Wavelength	λ _p	Typ	525	nm	I _F = 20mA
Spectral Half width	Δλ	Typ	25	nm	I _F = 20mA
Peak Luminous intensity	I _E	Min	40	cd	I _F = 20mA
		Typ	60		
Viewing Half angle	θ 1/2	Typ	±9.0	°	I _F = 20mA
Response Time	Tr / Tf	Typ.	---	ns	

The data is subject to change without notice.

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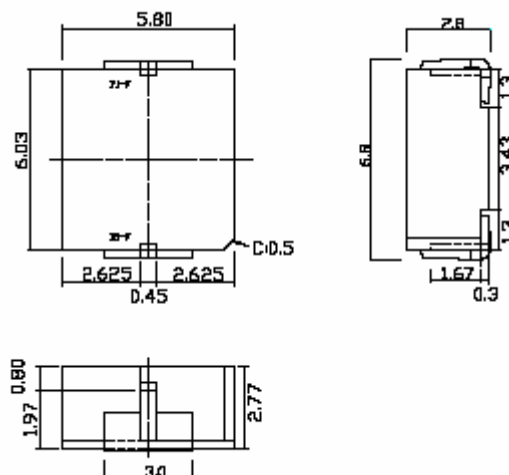
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◆ Directional Characteristics (Reference Data)



◆ External Condition (Reference Drawing)

Unit: mm

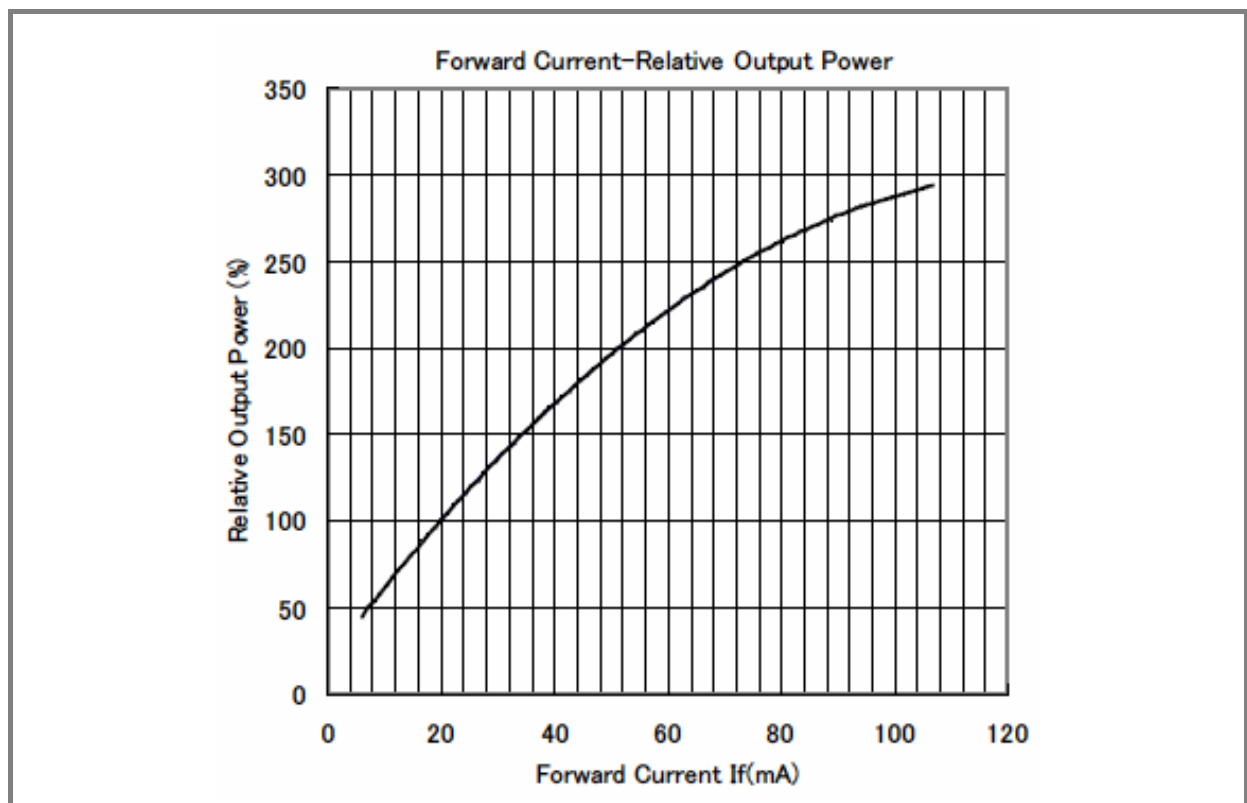
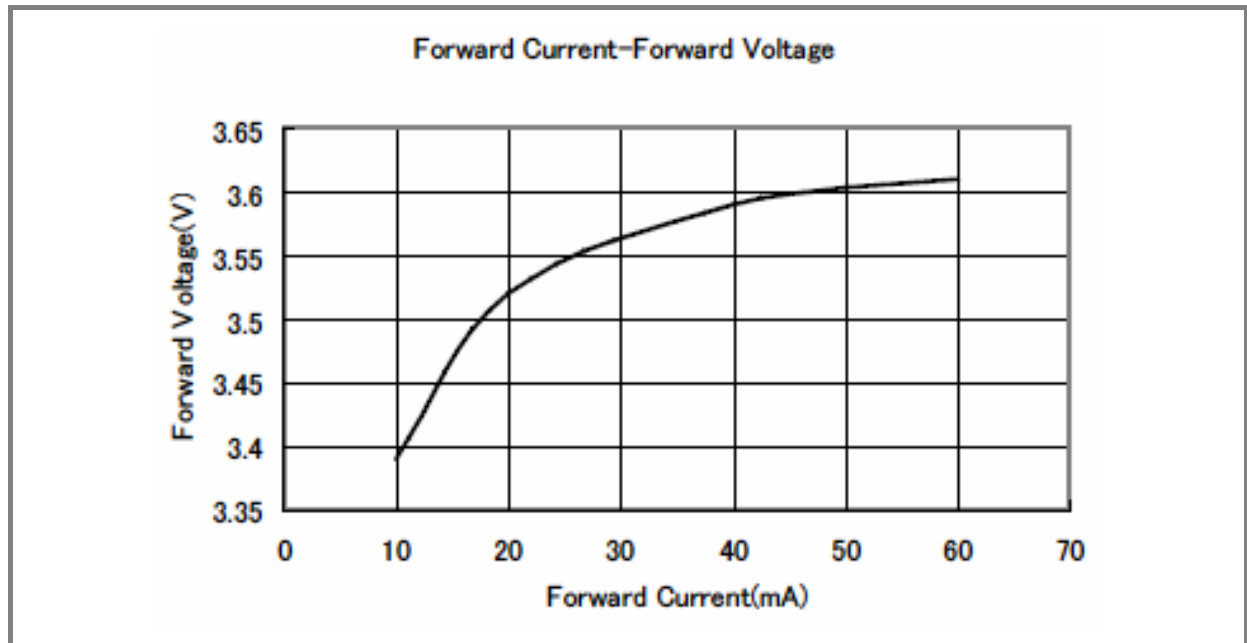


* Tolerance without indication: ± 0.3

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◆ Optical characteristics graphs (Ta=25°C)

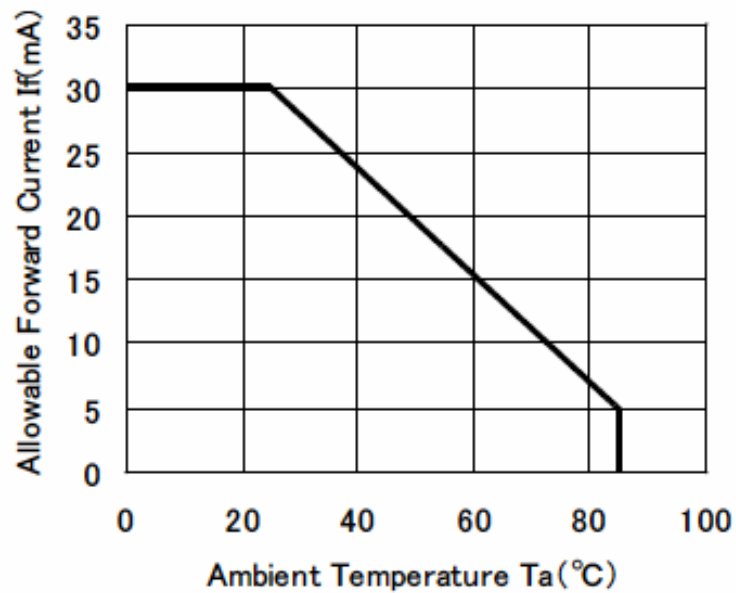


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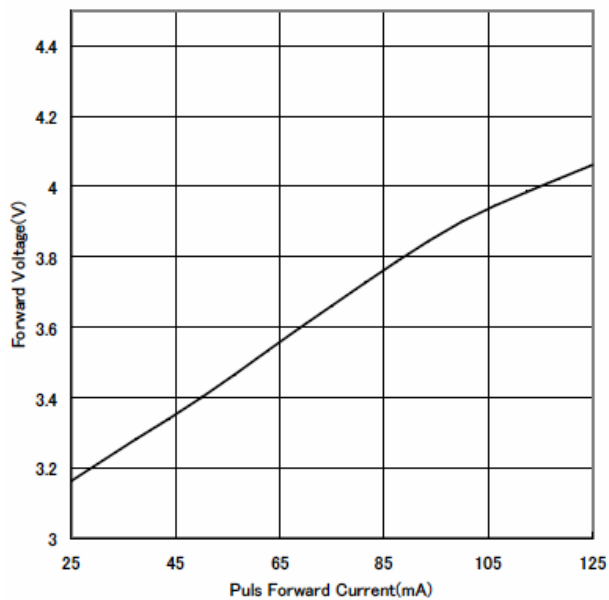
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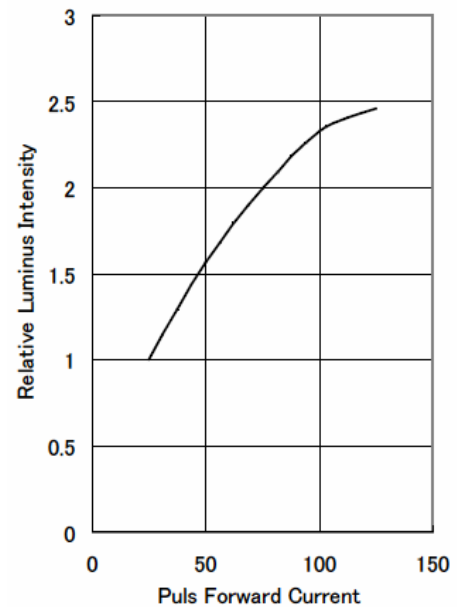
Allowable Forward Current-Ambient
Temperature



Puls Forward Current-Forward Voltage



Puls Forward Current-Relative Luminous Intensity



TW= Pulse width 100 μ sec
Duty=0.01