

HIGH LUMINANCE MIRROR TYPE LED AOP3-6305S2

Visible LED

Die & Package

Item	Value
Peak wavelength (typ)	623 nm
Package	Reflective Mirror Type



Absolute Maximum Ratings

Ta = 25

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	75	mW
Forward Current (DC)	I _F	30	mA
Pulse Forward Current (**)	I _{FRM}	100	mA
Reverse Voltage (DC)	V _R	5	V
Operating Temperature	T _{opr}	-30 ~ +75	
Storage Temperature	T _{stg}	-30 ~ +80	

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

Electro-optical Characteristics

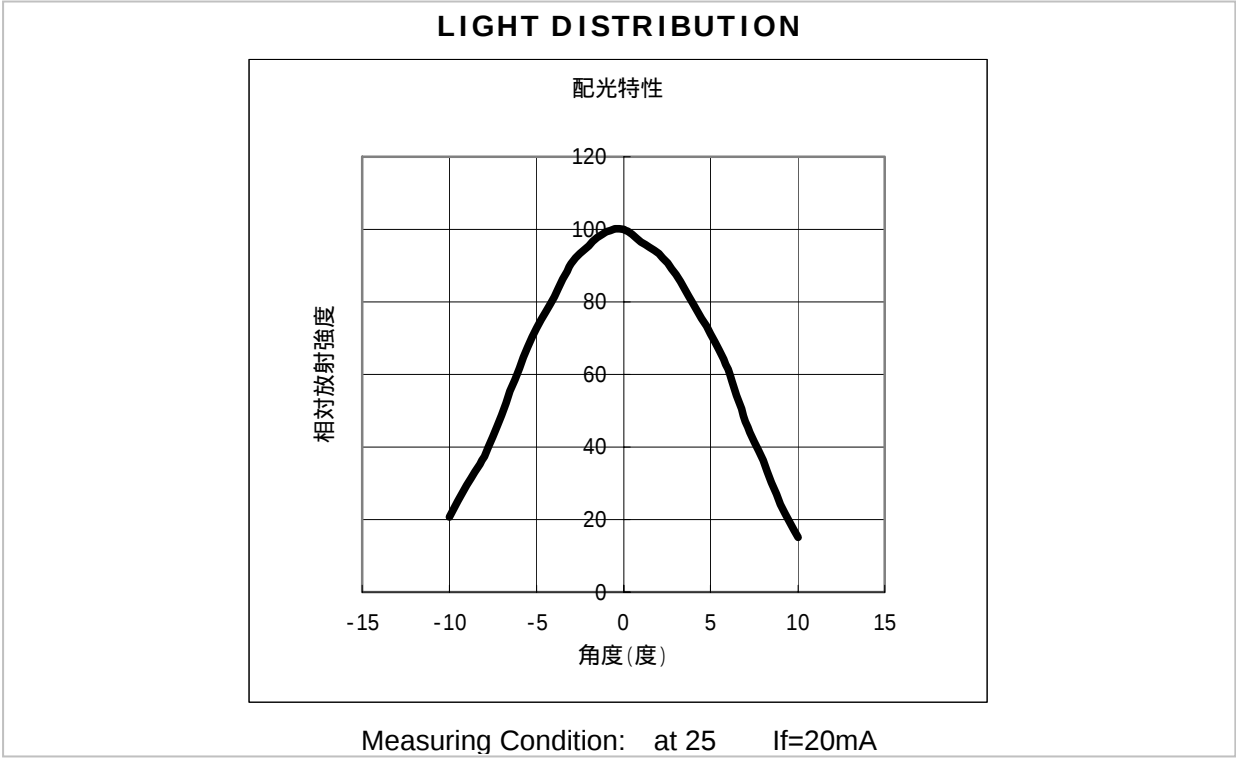
Ta = 25

Parameter	Symbol		Value	Unit	
Forward Voltage	V _F	Typ	2.2	V	I _F = 20mA
		Max	2.45		
Reverse Current	I _R	Max	10	μ A	V _R = 5V
Peak Wavelength	λ _p	Typ	623	nm	I _F = 20mA
Spectral Half width	λ	Typ	18	nm	I _F = 20mA
Peak Luminous intensity	I _P	Min	18	cd	I _F = 20mA
		Typ	25		
Viewing Half angle	θ 1/2	Typ	± 7.0	°	I _F = 20mA
Response Time	Tr / Tf	Typ.	---	ns	

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Directional Characteristics (Reference Data)



External Condition (Reference Drawing)

unit: mm

