

High-Brightness Blue LED: DS-234NB-LT

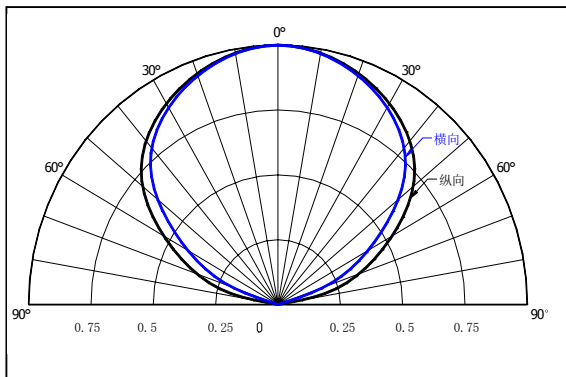
■ Characteristics

- High-Brightness LED
- Lens Color : Water Clear
- Half Value Angle($2\theta_{1/2}$) : 125° (110°)
- Superior Weather-resistance
- UV Resistant Epoxy

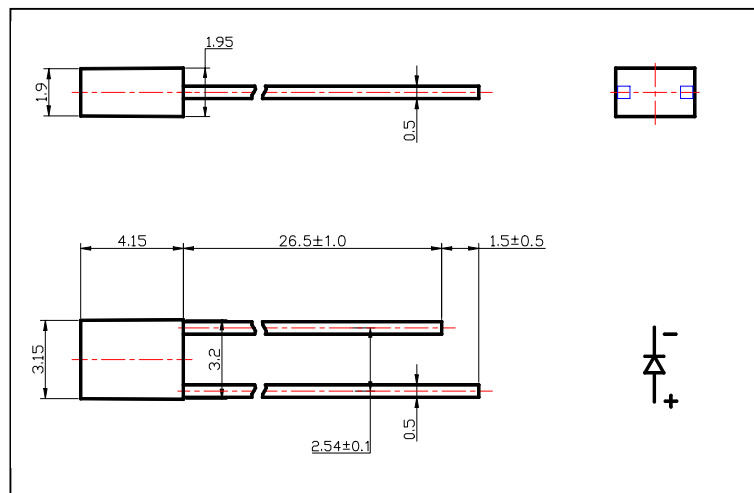
■ Application

- Advertisement
- Indicators
- Back Lights
- Illumination

■ Directivity



■ Outline Dimension



■ Electrical Optical Characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I _v	300	---	400	mcd	I _F =20mA
Viewing Angle	$2\theta_{1/2}$	---	125	---	Deg	
		---	110	---		
Wave Length	λD	460	---	470	nm	
Forward Voltage	V _F	2.8	---	3.4	V	
Reverse Current	I _R	---	---	10	μA	VR=5V

※ Please Refer to CIE 1931 chromaticity diagram

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■ Absolute Maximum Rating

Item	Symbol	Maxabsolute	Unit
Power Dissipation	PD	100	mW
Peak forward current(1/10 duty cycle, 0.1ms pulse width)	IFP	50	mA
Continuous forward current	IF	20	mA
Derating linear from 50°C		0.4	mA/°C
Reverse voltage	VR	5	V
Operating temperature range	Topr	-40°C to +80°C	
Storage temperature range	Tstg	-40°C to +100°C	
soldering temperature	Tsod	260°C for 5 Seconds	

※ Pulse width Max 10ms Duty ratio Max 1/10

■ Optical Electrical Characteristics

