



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CITIZEN ELECTRONICS CO.,LTD.

CITIZEN

CL-426

NEW

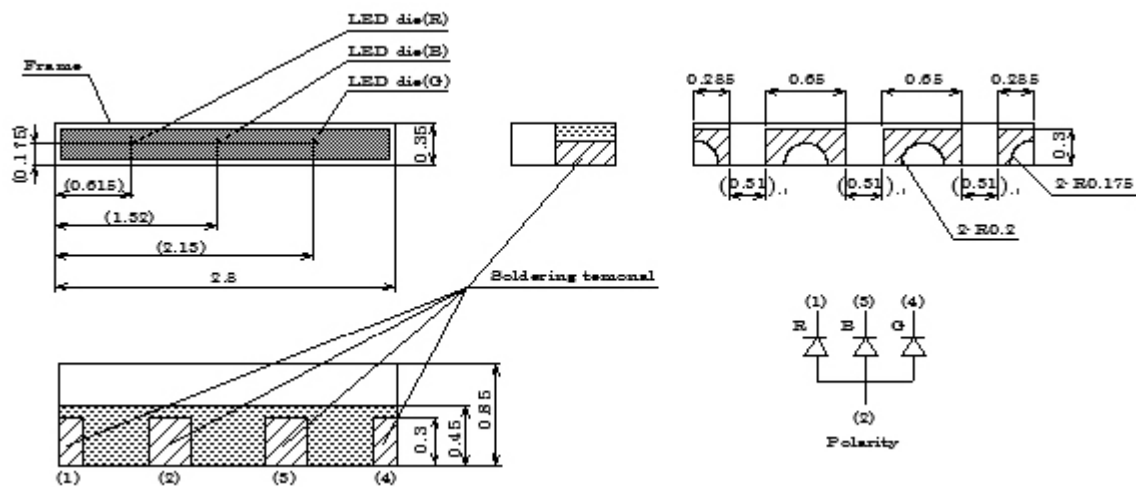


-  Side-lighting type
-  2.80 x 0.85 x 0.35 mm
-  ■ ■ ■
-  CL-426F-AA, CL-426F-AACC

CL-426F-AA

●Outline drawing

Unit: mm

Tolerance: ± 0.1 

●Performance

(1) Absolute Maximum Rating

(Ta=25°C)

Parameter	Symbol	Rating Value	Unit
Total Value of Power Dissipation	P *1	(125)	mW
Power Dissipation	Pd	R:(54) G:(69) B:(70)	mW
Forward Current	IF	(20)	mA
Forward Pulse Current *	IFP	(100 *2)	mA
Reverse Voltage	VR	5	V
Operating Temperature	Top	-25 ~ +80	°C
Storage Temperature	Tst	-30 ~ +85	°C

*1 P means the Total Value of Power Dissipation when all colors are ON.

*2 Duty \leq 1/10, Pulse width \leq 0.1 msec

(2) Electro-optical Characteristic

(Ta=25°C)

Parameter	Symbol	Condition	Color	MIN	TYP	MAX	Unit
Forward Voltage	VF	IF=5mA	R	(1.40)	(1.85)	(2.40)	V
			G	(2.40)	(2.70)	(3.10)	
			B	(2.40)	(2.75)	(3.20)	
Reverse Current	IR	VR=5V	R	-	-	(100)	μ A
			G	-	-	(2)	
			B	-	-	(2)	
Luminous Intensity *	IV	IF=5mA	R	(90)	(160)	-	mcd
			G	(125)	(250)	-	
			B	(25)	(52)	-	

R	-	(628)	-
G	-	(530)	-
B	-	(470)	-

* In accordance with NIST standard

Note 1) The tolerance of Forward Voltage measurement is $\pm 3\%$ at our tester.

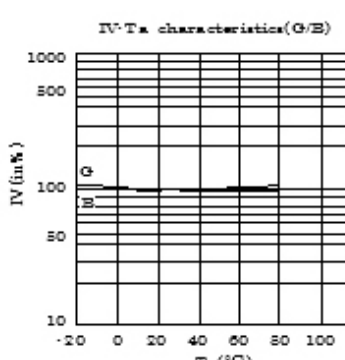
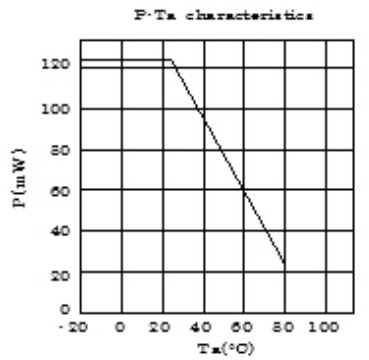
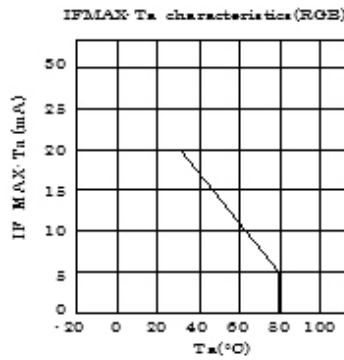
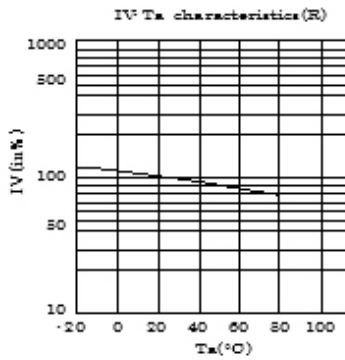
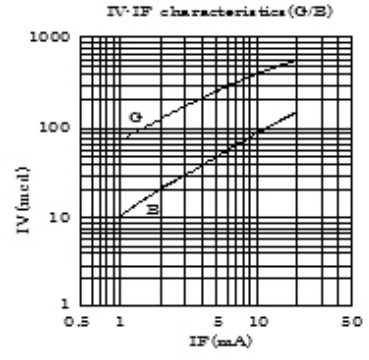
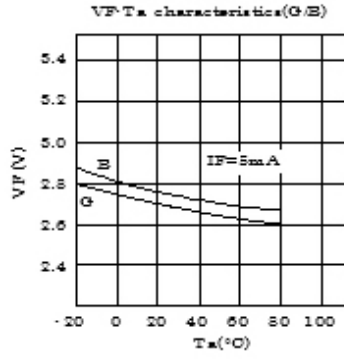
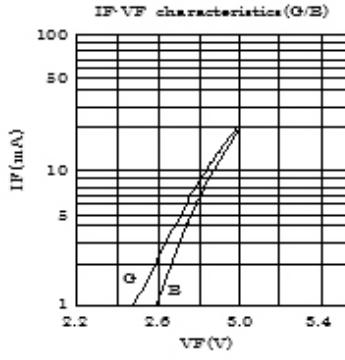
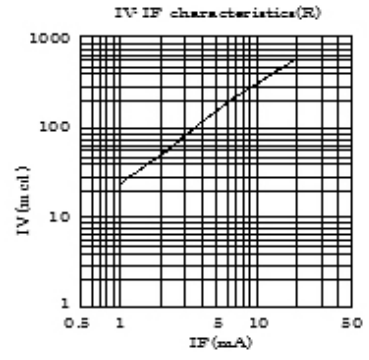
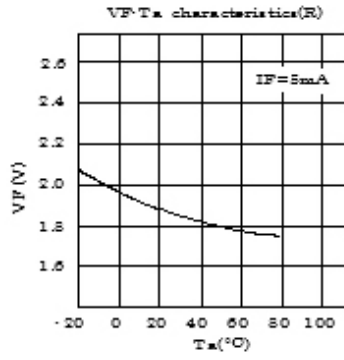
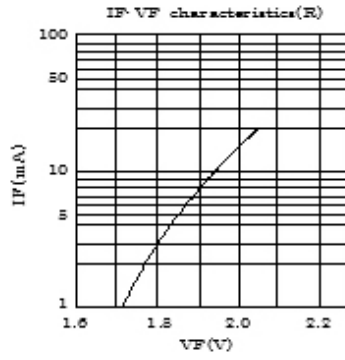
Note 2) The tolerance of Luminous Intensity measurement is $\pm 10\%$ at our tester

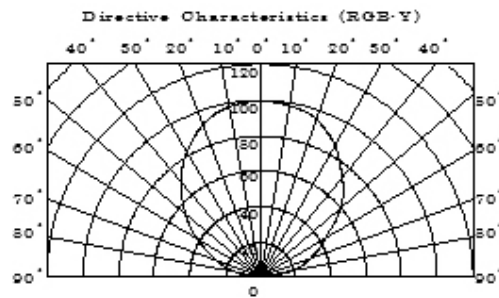
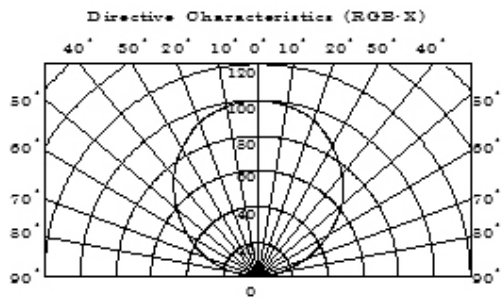
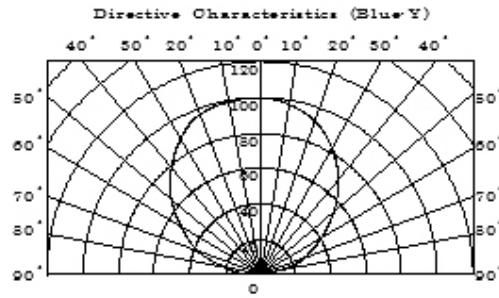
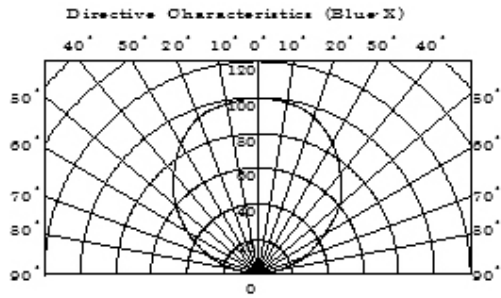
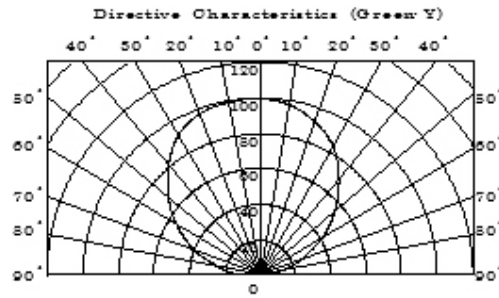
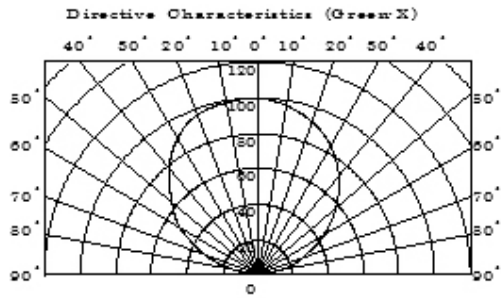
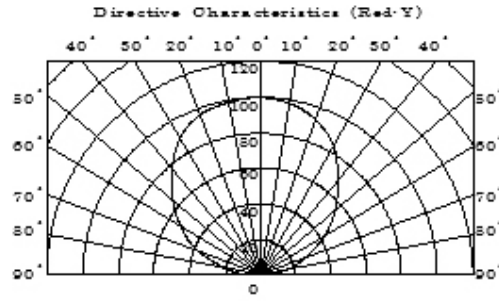
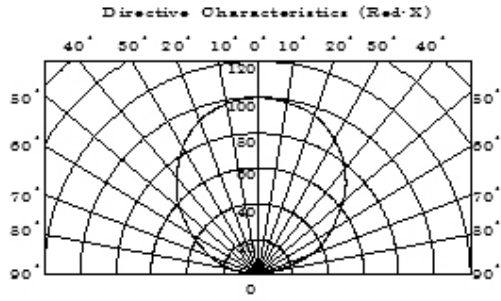
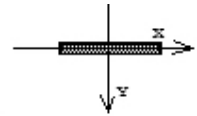
Note 3) The tolerance of Dominant Wave length measurement is $\pm 2\text{nm}$ at our tester

Note 4) Please be aware that the above electro-optical characteristics are guaranteed when applying the current values shown in the table.

Please consult us when this product is used under any other conditions.

● **Characteristic**

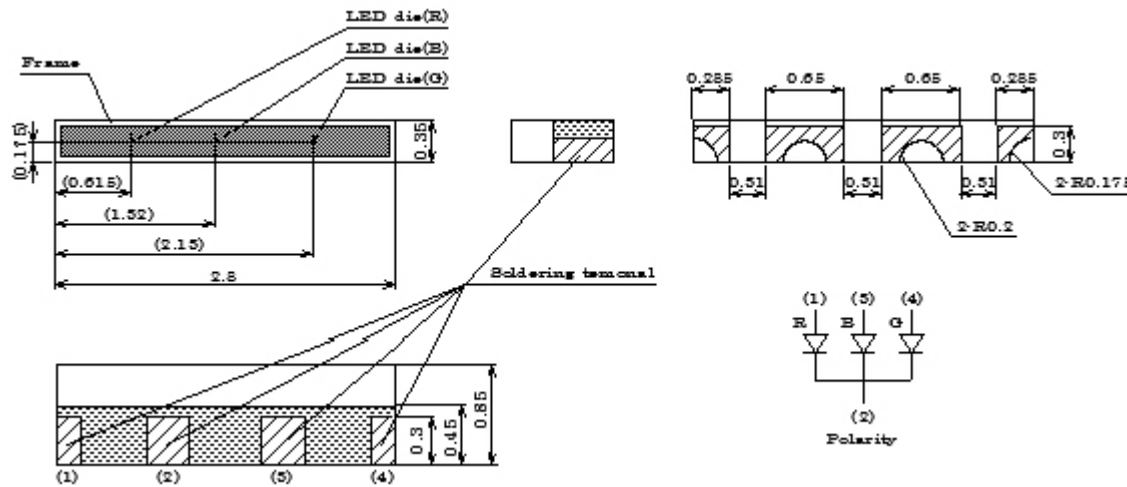




CL-426F-AACC

●Outline drawing

Unit: mm

Tolerance: ± 0.1 

●Performance

(1) Absolute Maximum Rating

(Ta=25°C)

Parameter	Symbol	Rating Value	Unit
Total Value of Power Dissipation	P *1	125	mW
Power Dissipation	Pd	R:(54) G:(69) B:(70)	mW
Forward Current	IF	20	mA
Forward Pulse Current *	IFP	100 *2	mA
Reverse Voltage	VR	5	V
Operating Temperature	Top	-25 ~ +80	°C
Storage Temperature	Tst	-30 ~ +85	°C

*1 P means the Total Value of Power Dissipation when all colors are ON.

*2 Duty $\leq 1/10$, Pulse width ≤ 0.1 msec

(2) Electro-optical Characteristic

(Ta=25°C)

Parameter	Symbol	Condition	Color	MIN	TYP	MAX	Unit
Forward Voltage	VF	IF=5mA	R	(1.40)	(2.00)	(2.40)	V
			G	(2.40)	(2.70)	(3.10)	
			B	(2.40)	(2.80)	(3.20)	
Reverse Current	IR	VR=5V	R	-	-	(100)	μA
			G	-	-	(2)	
			B	-	-	(2)	
Luminous Intensity *	IV	IF=5mA	R	(60)	(120)	-	mcd
			G	(125)	(250)	-	
			B	(25)	(62)	-	
Dominant Wave length	λd	IF=5mA	R	-	(628)	-	nm
			G	-	(530)	-	
			B	-	(470)	-	

* In accordance with NIST standard

Note 1) The tolerance of Forward Voltage measurement is ±3% at our tester.

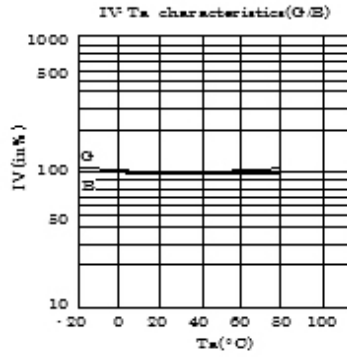
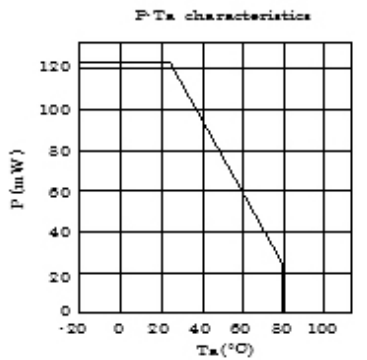
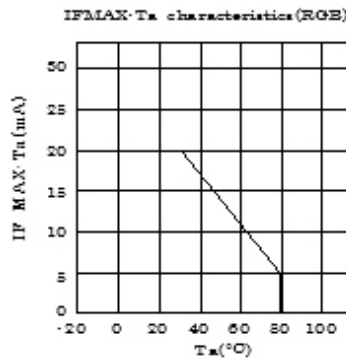
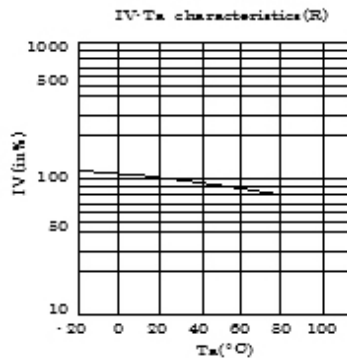
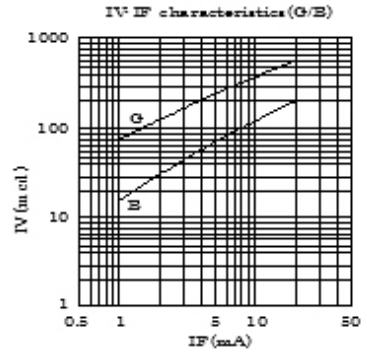
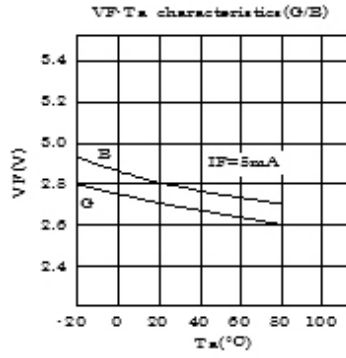
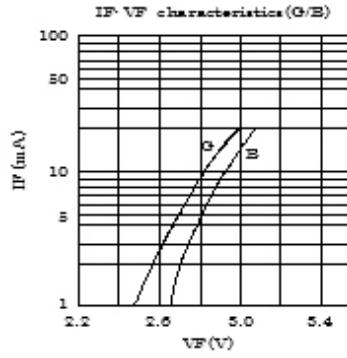
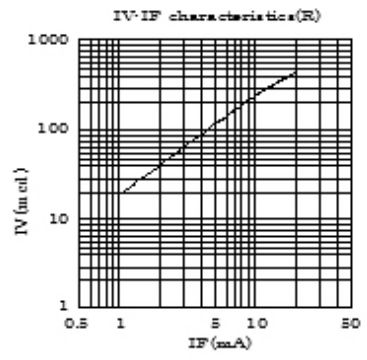
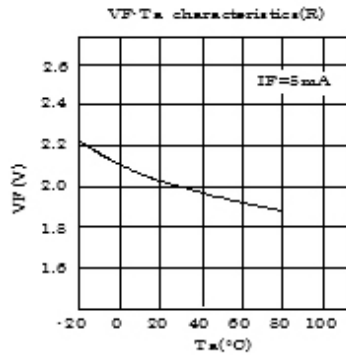
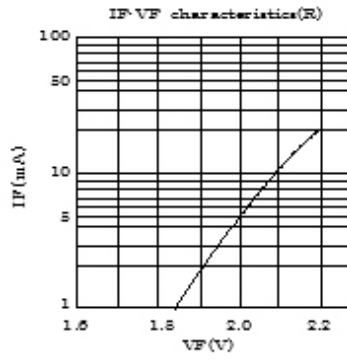
Note 2) The tolerance of Luminous Intensity measurement is ±10% at our tester

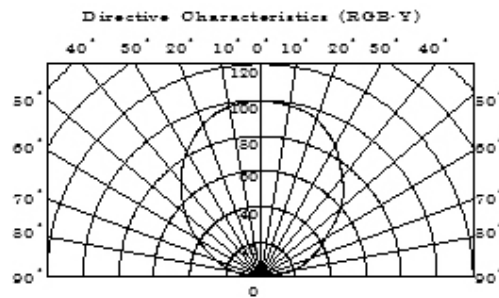
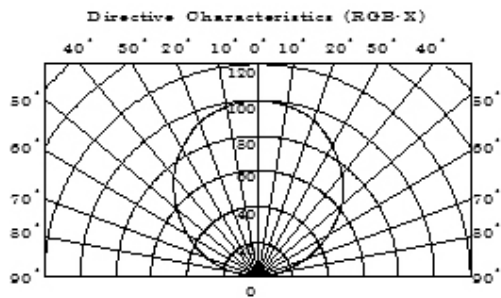
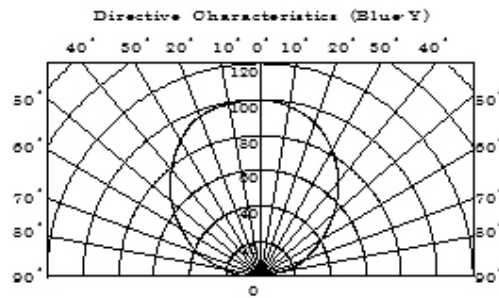
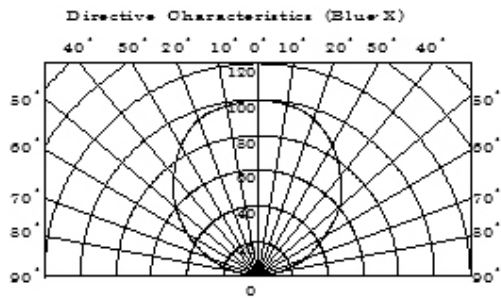
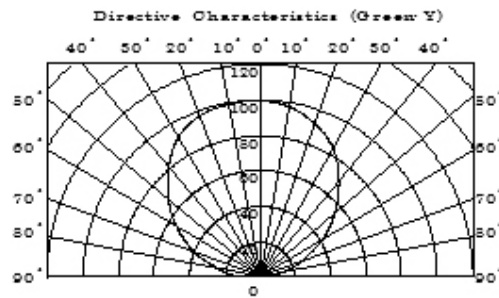
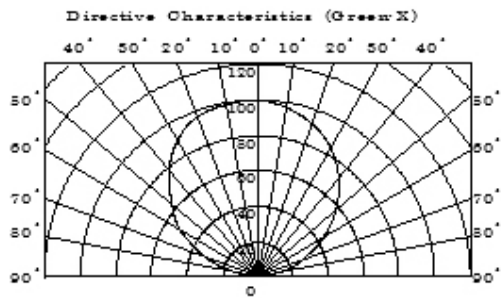
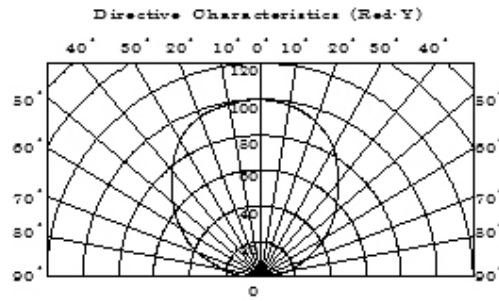
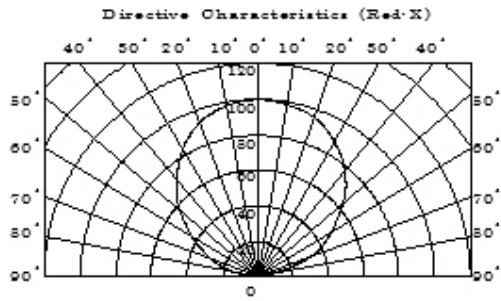
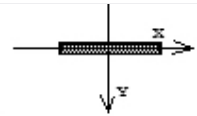
Note 3) The tolerance of Dominant Wave length measurement is ±2nm at our tester

Note 4) Please be aware that the above electro-optical characteristics are guaranteed when applying the current values shown in the table.

Please consult us when this product is used under any other conditions.

●Characteristic





Explanation of Icons



Package




Size (L x W x H) mm





Color variations

Concerning color variation

Similar colors are omitted from the color variation indicated above.

 includes three types of green: Pure green, Green and Fresh green.

 includes two types of orange: Orange and Super brightness orange.

 includes four types of red: Red, High brightness red, Super brightness red and Ultra brightness red.

*Please contact us regarding the possibility of mass production of models, as it differs depending on the luminescent color.