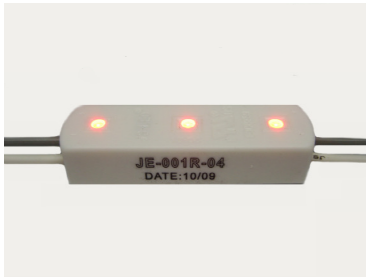
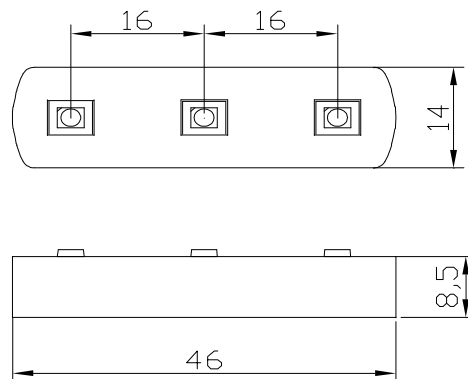


LED Module JE-001R-04 Specification

Description



Dimensions (mm)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection guide

Part No.	Emoted Color	Lens Type	Iv (lm) @35mA		Viewing Angle $2\Theta_{1/2}$
			Min.	Typ.	
JE-001R-04	Red	Water clear	10	12	$120^{\circ} \pm 5$

Electrical / Optical characteristics at $T_A=25^{\circ}\text{C}$

Parameter	Typ.	Max.	Units
Dominate Wavelength	620	626	nm
Forward Voltage	12	12.2	V
Forward Current	33	35	mA
Power consumption	396	427	mW

LED Module JE-001R-04 Specification

Operating temperature	-40°C To +85°C
-----------------------	----------------

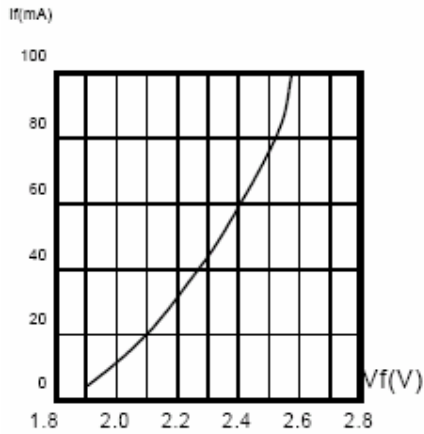


Fig.1 Forward Current VS. Forward Voltage.

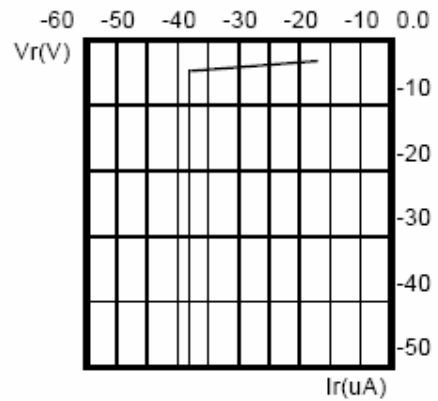


Fig.2 Reverse Current VS. Reverse Voltage.

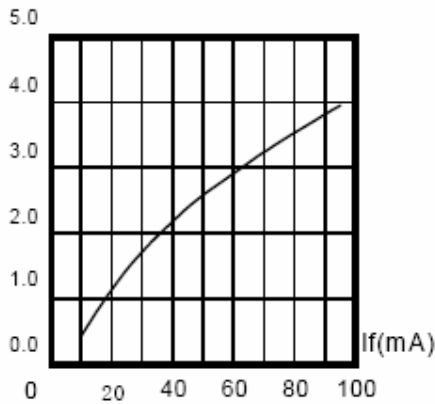


Fig.3 Relative Luminous Intensity VS. Forward Current.

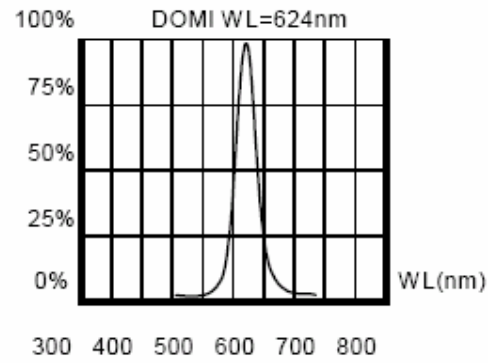


Fig.4 Relative Luminous Intensity VS. Wavelength.

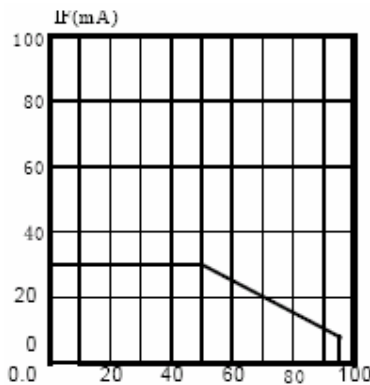


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE($T_{jmax}=105^{\circ}C$)

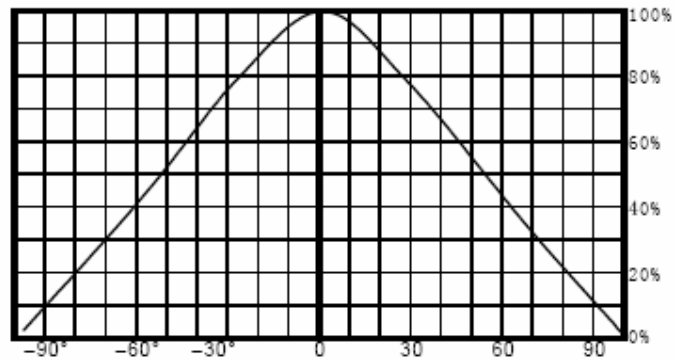


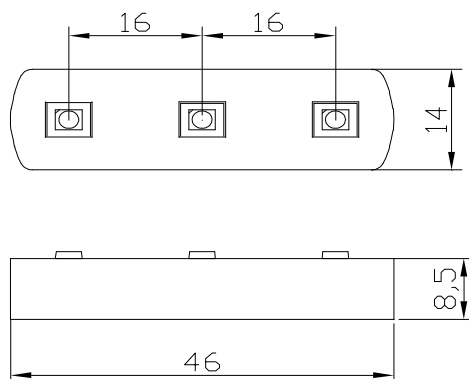
Fig.6 Far Field Pattern(50% Power Angle)

LED Module JE-002G-04 Specification

Description



Dimensions (mm)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection guide

Part No.	Emoted Color	Lens Type	Iv (lm) @35mA		Viewing Angle $2\Theta_{1/2}$
			Min.	Typ.	
JE-002G-04	Green	Water clear	10	15	$120^{\circ} \pm 5$

Electrical / Optical characteristics at $T_A=25^{\circ}\text{C}$

Parameter	Typ.	Max.	Units
Dominate Wavelength	520	522.5	nm
Forward Voltage	12	12.2	V
Forward Current	33	35	mA
Power consumption	396	427	mW

LED Module JE-002G-04 Specification

Operating temperature	-40°C To +85°C
-----------------------	----------------

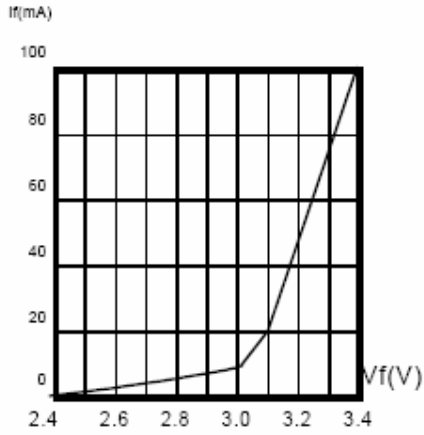


Fig.1 Forward Current VS. Forward Voltage.

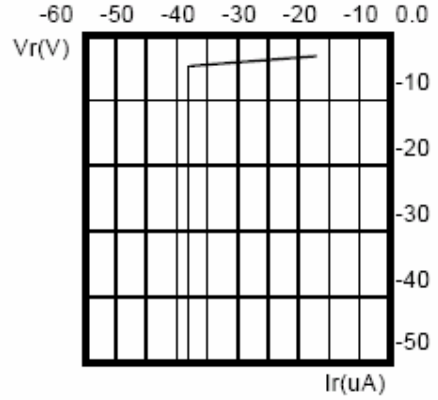


Fig.2 Reverse Current VS. Reverse Voltage.

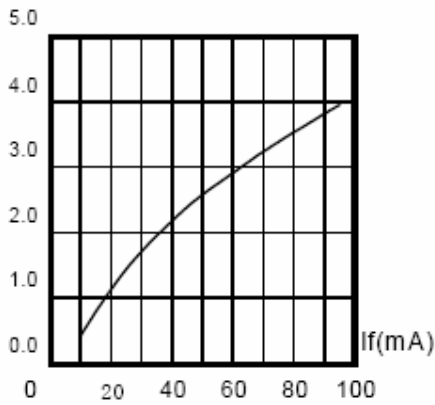


Fig.3 Relative Luminous Intensity VS. Forward Current.

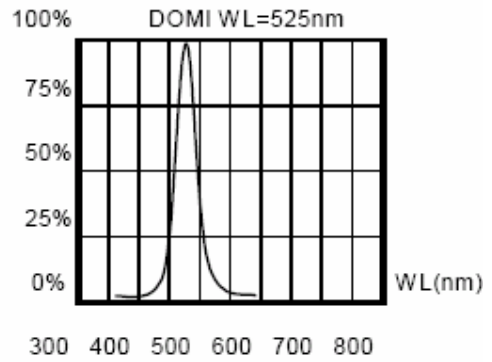


Fig.4 Relative Luminous Intensity VS. Wavelength.

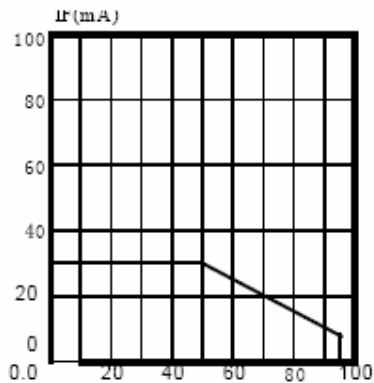


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE(Tjmax=105°C)

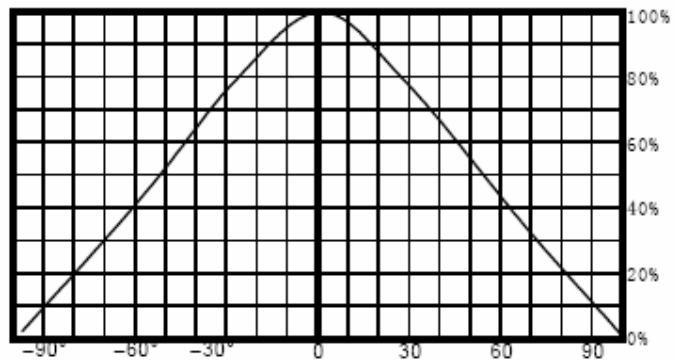


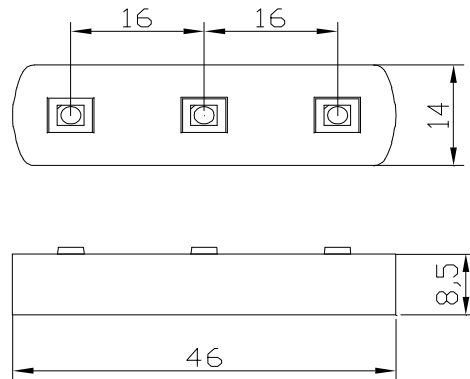
Fig.6 Far Field Pattern(50% Power Angle)

LED Module JE-003B-04 Specification

Description



Dimensions (mm)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection guide

Part No.	Emoted Color	Lens Type	Iv (lm) @35mA		Viewing Angle $2\Theta_{1/2}$
			Min.	Typ.	
JE-003B-04	Bule	Water clear	4	6	$120^{\circ} \pm 5$

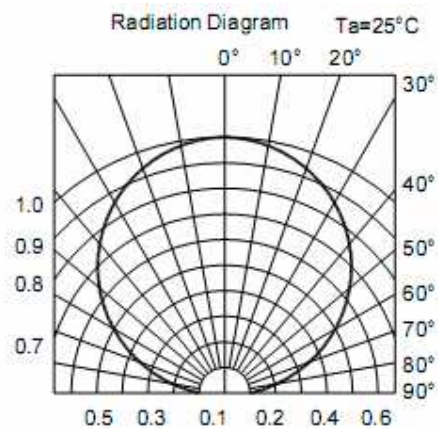
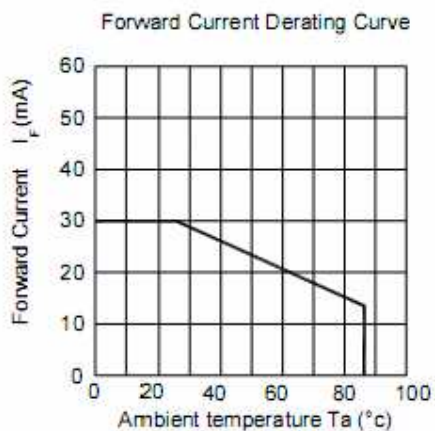
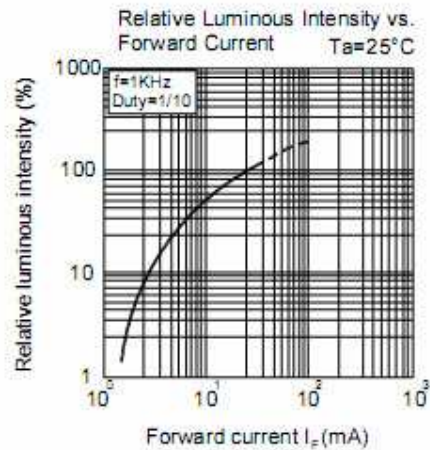
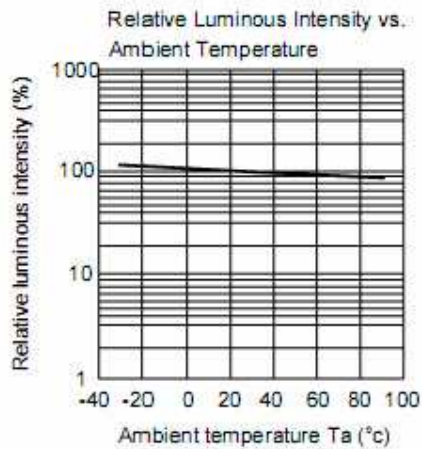
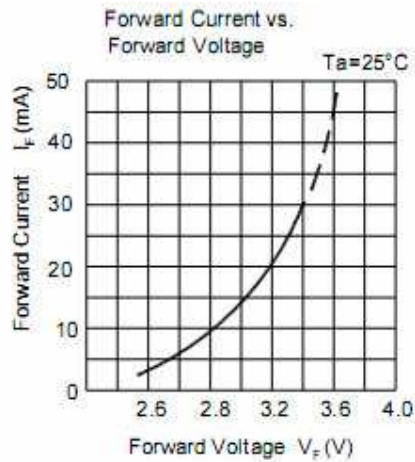
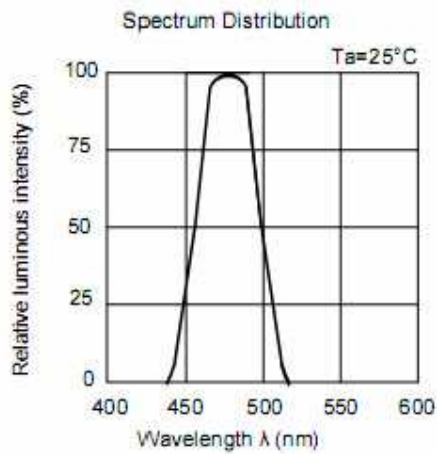
Electrical / Optical characteristics at $T_A=25^{\circ}\text{C}$

Parameter	Typ.	Max.	Units
Dominate Wavelength	465	470	nm
Forward Voltage	12	12.2	V
Forward Current	33	35	mA
Power consumption	396	427	mW

LED Module JE-003B-04 Specification

Operating temperature

-40°C To +85°C

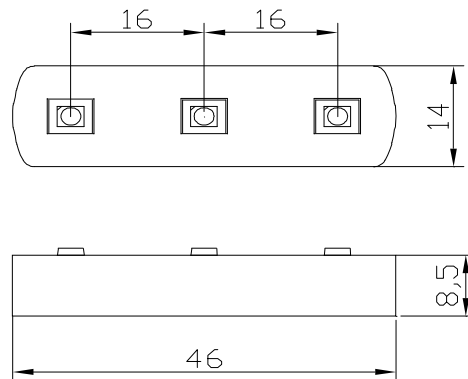


LED Module JE-004W-04 Specification

Description



Dimensions (mm)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

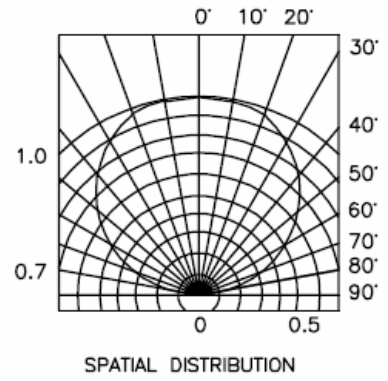
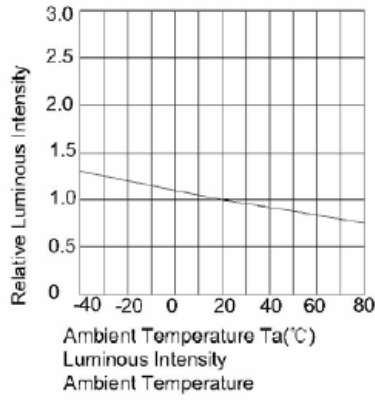
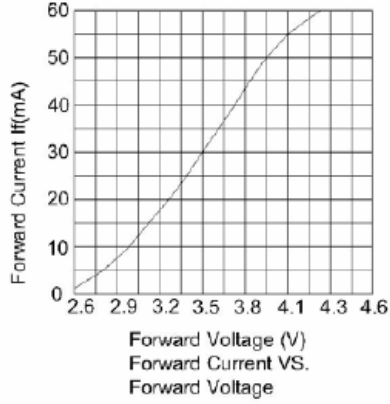
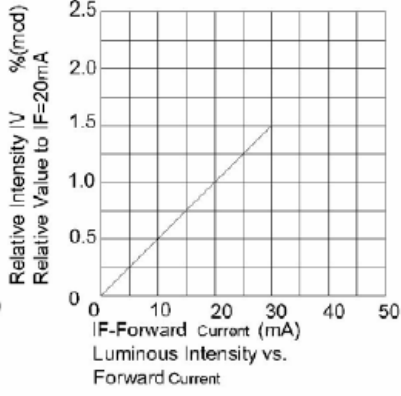
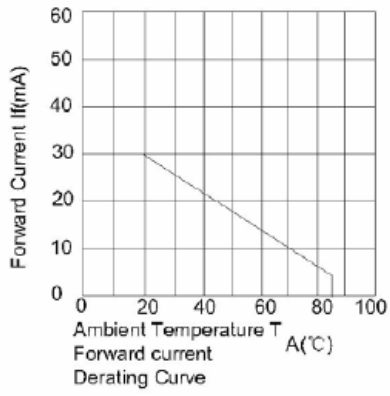
Selection guide

Part No.	Emoted Color	Lens Type	Iv (lm) @35mA		Viewing Angle $2\theta_{1/2}$
			Min.	Typ.	
JE-004W-04	White	Yellow Diffused	25	28	$120^\circ \pm 5$

Electrical / Optical characteristics at $T_A=25^\circ\text{C}$

Parameter	Typ.	Max.	Units
Forward Voltage	12	12.2	V
Forward Current	33	35	mA
Power consumption	396	427	mW
Operating temperature	-40 $^\circ\text{C}$ To +85 $^\circ\text{C}$		

LED Module JE-004W-04 Specification

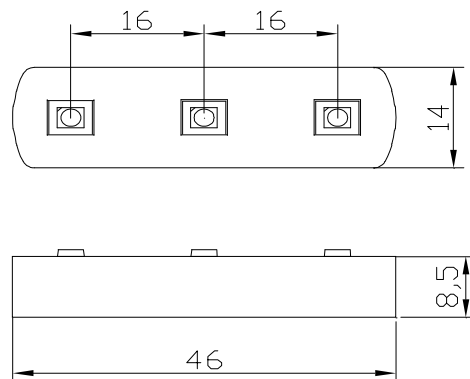


LED Module JE-005A-04 Specification

Description



Dimensions (mm)



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection guide

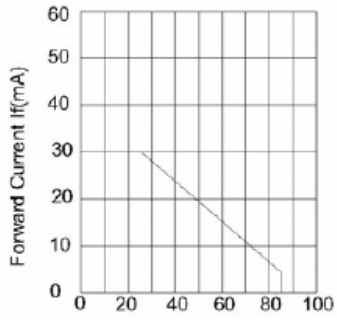
Part No.	Emoted Color	Lens Type	Iv (lm) @35mA		Viewing Angle $2\theta_{1/2}$
			Min.	Typ.	
JE-005A-04	Amber	Water clear	6	8	$120^{\circ} \pm 5$

Electrical / Optical characteristics at $T_A=25^{\circ}\text{C}$

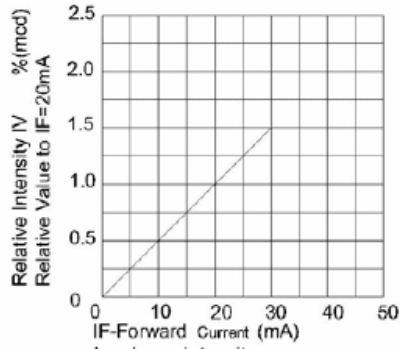
Parameter	Typ.	Max.	Units
Dominate Wavelength	592	594	nm
Forward Voltage	12	12.2	V
Forward Current	33	35	mA
Power consumption	396	427	mW

LED Module JE-005A-04 Specification

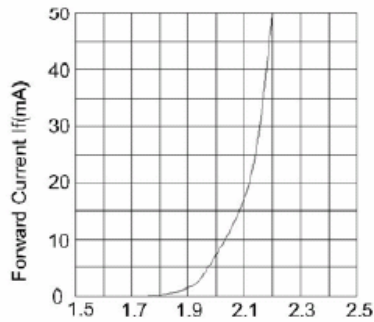
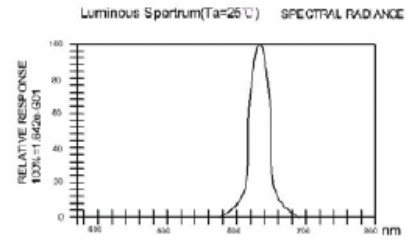
Operating temperature	-40°C To +85°C
-----------------------	----------------



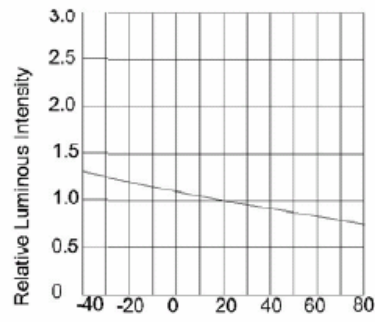
Ambient Temperature T_A (°C)
Forward current
Derating Curve



IF-Forward Current (mA)
Luminous Intensity vs.
Forward Current



Forward Voltage (V)
Forward Current vs.
Forward Voltage



Ambient Temperature T_a (°C)
Luminous Intensity
Ambient Temperature

