

# KLP-36M-X-X

KLP-34M is a 3 in 1 full colour LED.

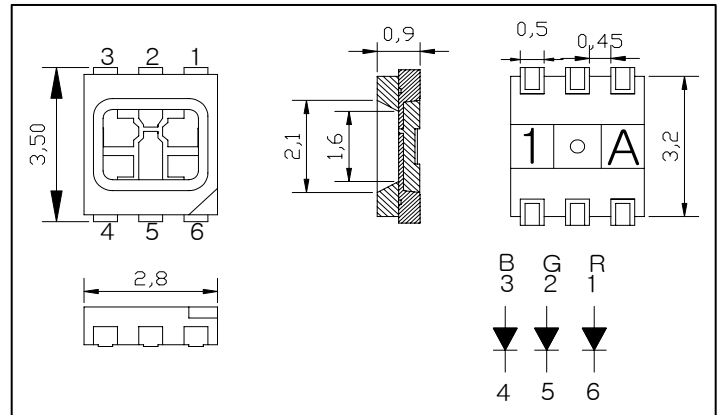
### Features

- Transparent epoxy Encapsulent
- High Optical Output

### Applications

- Display
- Indicator
- Signage

### DIMENSIONS



### Maximum Ratings

[ Ta=25°C ]

Parameter	Symbol	MIN	MAX	Unit	Conditions
Forward Current	I <sub>F</sub>	R	-	30	mA
		G	-	30	mA
		B	-	30	mA
Peak Forward Current* 1	I <sub>FP</sub>	R	-	80	mA
		G	-	100	mA
		B	-	100	mA
Power Dissipation	P <sub>D</sub>	R	-	75	mW
		G	-	105	mW
		B	-	105	mW
Operating Temperature	T <sub>OP</sub>	-30	85	°C	
Storage Temperature	T <sub>S</sub>	-40	105	°C	
Soldering Temperature* 2	T <sub>sol</sub>		260	°C	5 Sec

\*1. I<sub>FP</sub> Measured under duty 1/10 @ 1KHz

\*2. Soldering time 5 Sec

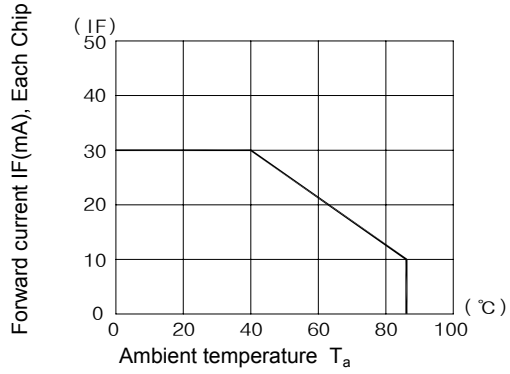
### Electro-Optical Characteristics

[ Ta=25°C ]

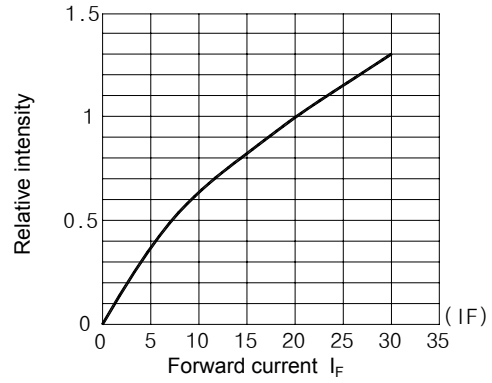
Parameter	Symbol	Conditions	Typical Value			Unit
			RED	GREEN	BLUE	
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 20 mA/Die	2	3.3	3.2	V
Optical Output Power	P <sub>o</sub>	I <sub>F</sub> = 20 mA/Die	5.50	4.50	8.5	mW
	I <sub>v</sub>		350	750	200	mcd
Peak emission wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20 mA/Die	620	520	468	nm
Doninant Wave Length	λ <sub>d</sub>	I <sub>F</sub> = 20 mA/Die	625	525	470	nm
Spectral half bandwidth	Δλ	I <sub>F</sub> = 20 mA/Die	20	30	25	nm
Half angle	Δθ	I <sub>F</sub> = 20 mA/Die	-	160	-	deg.

**KLP-36M-X-X**

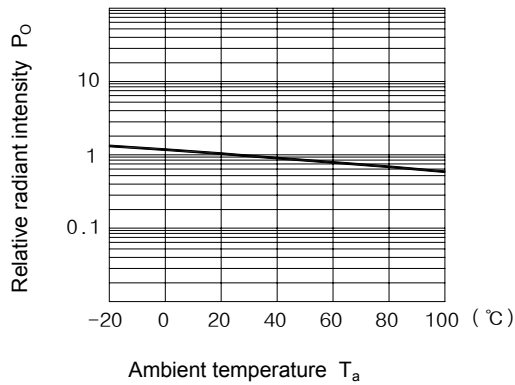
**Forward current vs. Ambient temperature**



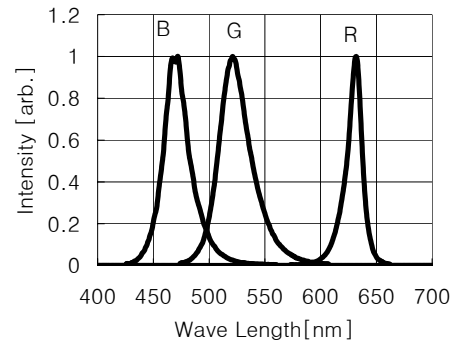
**Radiant Intensity vs. Forward current**



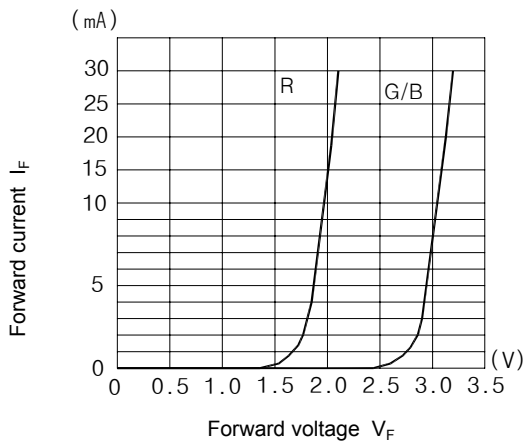
**Relative radiant intensity vs. Ambient temperature**



**Relative intensity vs. Wavelength**



**Forward current vs. Forward voltage**



**Radiant Pattern**

