

KLP-36M-X-X

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

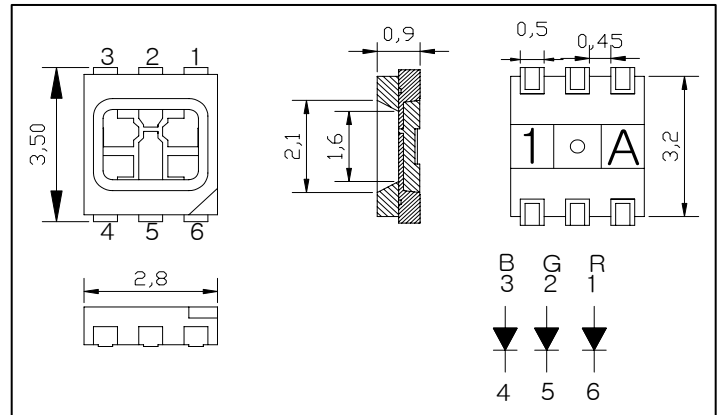
Features

- 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 _F	R	-	30	mA
		G	-	30	mA
		B	-	30	mA
Peak Forward Current* 1	I _{FP}	R	-	80	mA
		G	-	100	mA
		B	-	100	mA
Power Dissipation	P _D	R	-	75	mW
		G	-	105	mW
		B	-	105	mW
Operating Temperature	T _{OP}	-30	85	°C	
Storage Temperature	T _S	-40	105	°C	
Soldering Temperature* 2	T _{sol}		260	°C	5 Sec

*1. I_{FP} Measured under duty 1/10 @ 1KHz

*2. Soldering time 1/5 Sec

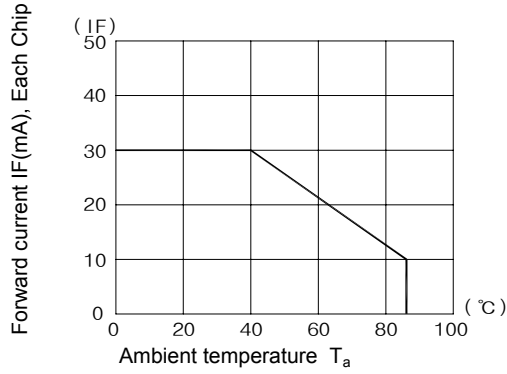
Electro-Optical Characteristics

[Ta=25°C]

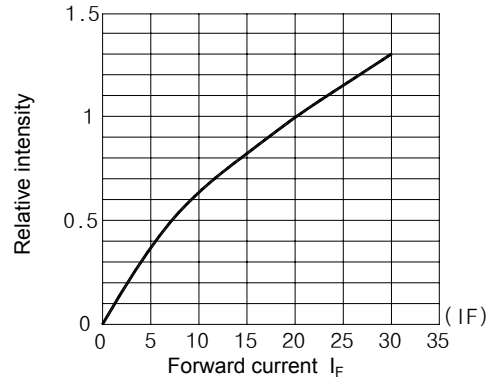
Parameter	Symbol	Conditions	Typical Value			Unit
			RED	GREEN	BLUE	
Forward voltage	V _F	I _F = 20 mA/Die	2	3.3	3.2	V
Optical Output Power	P _o	I _F = 20 mA/Die	5.50	4.50	8.5	mW
	I _v		350	750	200	mcd
Peak emission wavelength	λ _p	I _F = 20 mA/Die	620	520	468	nm
Doninant Wave Length	λ _d	I _F = 20 mA/Die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

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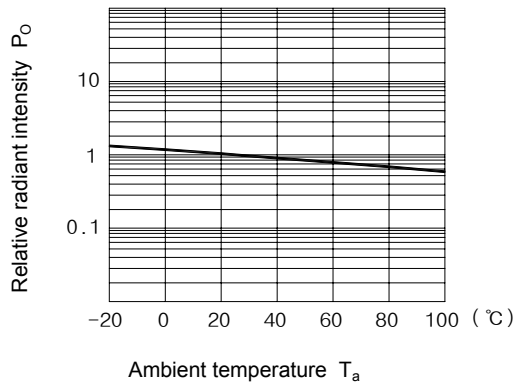
Forward current vs. Ambient temperature



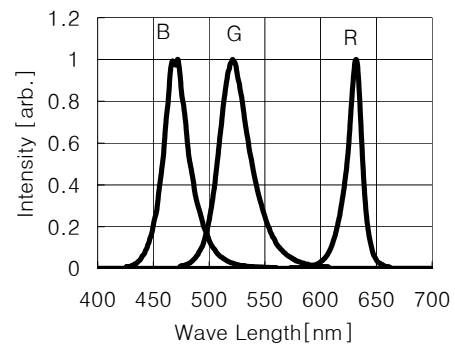
Radiant Intensity vs. Forward current



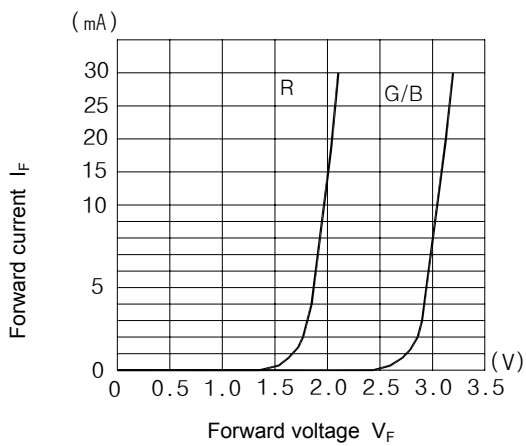
Relative radiant intensity vs. Ambient temperature



Relative intensity vs. Wavelength



Forward current vs. Forward voltage



Radiant Pattern

