



SURFACE MOUNT LED LAMPS

Features

3.0mmx2.5mm SMT LED 1.1mm thickness. Bi-color, low power consumption. Axial leads, right angle leads are also available in subminiature solid state lamps. 3.0mmx2.0mm, 1.4mm high, suitable for compact optoelectronic applications. Sot-23 package surface mount LED, both single chip and dual chips available. 3.5mmx2.8mm SMT, available in single color and bi-color, ideal for backlighting.

Descriptions

The bright red source color devices are made with Gallium Phosphide red LED. The super bright green source color devices are made with Gallium Phosphide green LED. The high efficiency red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange LED. The yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide yellow LED. The super bright red source color devices are made with Gallium Aluminium Arsenide red LED. The super bright yellow source color device are made with DH InGaAlP on GaAs substrate LED.

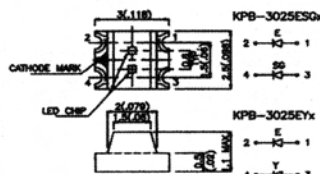


Fig. 7

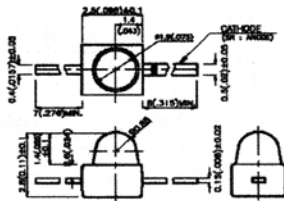


Fig. 8 - Axial Lead

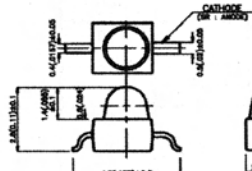


Fig. 9 - Gull Wing Lead

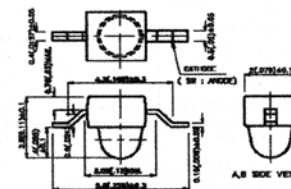


Fig. 10 - Z Bend Lead

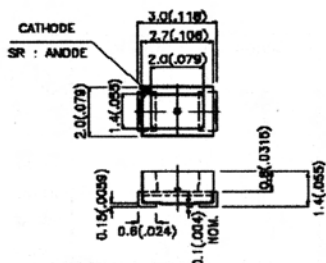


Fig. 11

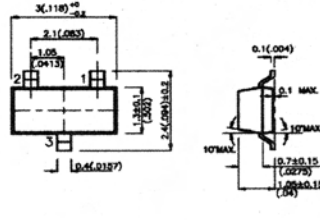


Fig. 12

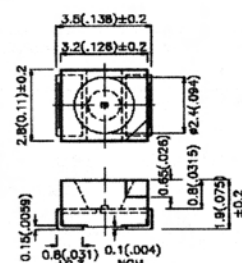


Fig. 13

3.0mm x 2.5mm (1109 Bi-Color)

Fig. No.	Kingbright Part No.	Emitted Color	Peak Wave-Length (nm)	Iv (mcd) @20mA	
				Min.	Max.
7	KPB3025ESGC	Red/Gm.	625/565	5/3.2	12.5/12.5
	KPB3025ESGW	Red/Gm.	625/565	5/3.2	12.5/12.5
	KPB3025EYC	Red/Yel.	625/590	5/3.2	12.5/8
	KPB3025EYW	Red/Yel.	625/590	5/3.2	12.5/8
	KPB3025SGYC	Gm./Yel.	565/590	3.2/3.2	12.5/8

3.0mm x 2.0mm SMT LED Lamps

Fig. No.	Kingbright Part No.	Emitted Color	Peak Wave-Length (nm)	Iv (mcd) @20mA	
				Min.	Max.
11	KA3020EC	Red	625	8	60
	KA3020SGC	Green	565	8	40
	KA3020YC	Yellow	590	8	40
	KA3020SRC	Red	660	70	300
	KA3020SYC	Yellow	595	100	200

Subminiature Solid State Lamps (Axial Leads)

Fig. No.	Kingbright Part No.	Emitted Color	Peak Wave-Length (nm)	Iv (mcd) @20mA	
				Min.	Max.
8	KM2520A01EC001	Red	625	20	100
	KM2520A01SGC001	Green	565	50	150
	KM2520A01YC001	Yellow	590	20	70
	KM2520A01SRC001	Red	660	200	1000
	KM2520A01SYC001	Yellow	595	700	1300
9	KM2520A01EC003	Red	625	20	100
	KM2520A01SGC003	Green	565	50	150
	KM2520A01YC003	Yellow	590	20	70
	KM2520A01SRC003	Red	660	200	1000
	KM2520A01SYC003	Yellow	595	700	1300
10	KM2520A01EC009	Red	625	20	100
	KM2520A01SGC009	Green	565	50	150
	KM2520A01YC009	Yellow	590	20	70
	KM2520A01SRC009	Red	660	200	1000
	KM2520A01SRT009	Red	660	200	1000
KM2520A01SYC009	Yellow	595	700	1300	

3mm x 1.3mm SOT-23 SMT LED Lamps

Fig. No.	Kingbright Part No.	Emitted Color	Peak Wave-Length (nm)	Iv (mcd) @20mA	
				Min.	Max.
12	KM23EC	Red	625	8	32
	KM23SGC	Green	565	8	32
	KM23YC	Yellow	590	5	12.5
	KM23SRC	Red	660	50	90
	KM23SYC	Yellow	595	40	100
	KM23ESGC	Red/Gm.	625/565	8.0/8.0	32/32

3.5mm x 2.8mm SMT LED

Fig. No.	Kingbright Part No.	Emitted Color	Peak Wave-Length (nm)	Iv (mcd) @20mA	
				Min.	Max.
13	KA3528EC	Red	625	12.5	40
	KA3528SGC	Green	565	12.5	40
	KA3528YC	Yellow	590	8	20
	KA3528SRC	Red	660	70	300
	KA3528SYC	Yellow	595	40	100