

**FEATURES:**

- Special Design Available
- Low Current Requirements
- High Light Output
- Easy Key Code

**ABSOLUTE MAXIMUM RATINGS,  $T_a = 25^\circ c$**

Reverse voltage per led chip.....	5.0 V
D.C Forward current per led chip	30 mA
Pulse current. ( 1.10 duty cycle , 0.1 ms pulse width) per led chip.....	100mA
Operating temperat. range.....	-25 $^\circ c$ fto + 85 $^\circ c$
Storage temperat. range.....	-25 $^\circ c$ to + 100 $^\circ c$
Lead soldering temp. ....	260 $^\circ c$ for 5 seconds

**ELECTRICAL / OPTICAL CHARACTERISTICS AT  $T_a = 25^\circ c$**

PART NUMBER	LED CHIP MATERIAL	LED CHIP EMITT. COLOR	SURFACE COLOR	SEGM. OR DOT COLOR	PEAK WAVE LENG. 20mA	FORWARD VOLTAGE Vf 20mA (V)		LUMIN. INTENS. 10 mA (ucd) TYP
							TIP MAX	
OPB12HR	GaP	HI RED	WHITE	WHITE	700	2.1	3.0	2200
OPB12G	GaP	GREEN	WHITE	WHITE	567	2.2	3.0	2400
OPB12Y	GaAsP ON GaP	YELLOW	WHITE	WHITE	585	2.1	3.0	2250
OPB12E	GaAsP ON GaP	ORANGE	WHITE	WHITE	635	2.1	3.0	3350

\*SPECIFICATIONS ARE SUBJECT TO CHANGE  
 NOTE: ALL DIMENSIONS ARE IN mm, TOLERANCE IS +/-0.25 mm UNLESS OTHER WISE NOTED  
 THE SLOPE ANGLE OF ANY PIN MAY BE +/- 5.0 $^\circ$  MAX.

**PACKAGE DIMENSIONS AND PIN FUNCTION**

