

Electro-optical Characteristics:

Code for Parts	Lighting color	VF			λ_p	λ_e	IV	
		IF (mA)	typ (V)	typ (V)	typ (nm)	typ (nm)	IF (mA)	typ (mcd)
SB-190R	Red	20	2.2	2.6	700	100	20	2.5
SB-190G	Green	20	2.2	2.6	567	26	20	6.5
SB-190D	Amber	20	2.2	2.6	605	40	20	6.0
SB-190Y	Yellow	20	2.1	2.6	589	40	20	6.5
SB-190YG	Yellow Green	20	2.2	2.6	570	30	20	9.5
SB-190UG	Super Green	20	2.2	2.6	567	24	20	9.5
SB-190SD	Super Bright Orange	20	2.1	2.6	630	40	20	10
SB-190UR	Ultra Bright Red	20	1.8	2.6	660	20	20	17
SB-190HR	High Bright Red	20	1.8	2.6	660	20	20	25
SB-190PG	Pure Green	20	2.2	2.6	557	24	20	3.5

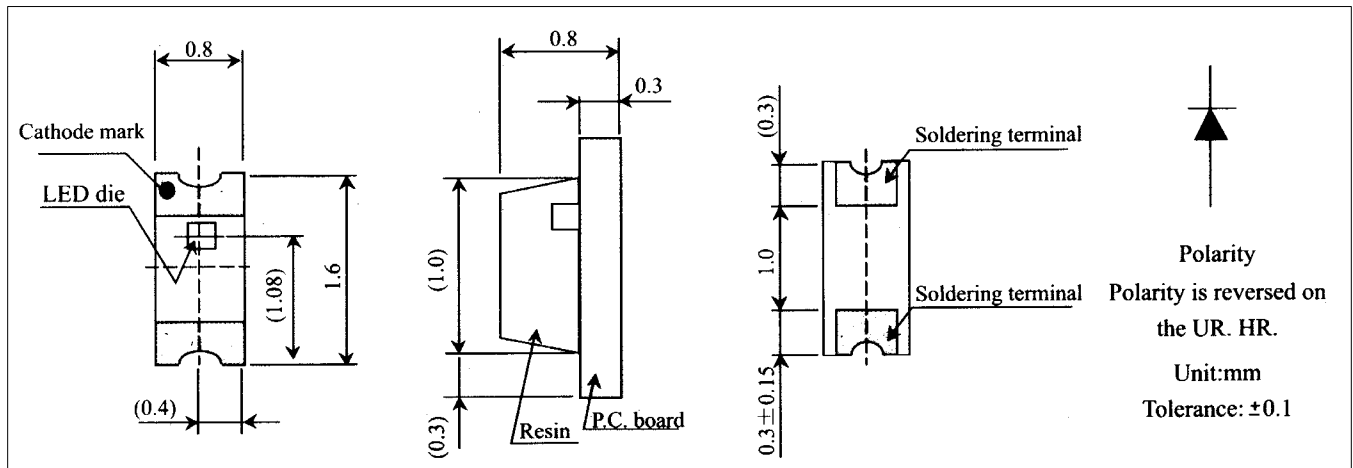
Absolute Maximum Ratings:

(Ta 25°)

Series	KB-190	KB-190UR/HR
Pd (mW)	50	78
IF (mA)	20	30
IFP (mA)	100 * 1	
VR (V)	5	
Top (C)	-30 ~ +85	
TSt (C)	-40 ~ +85	

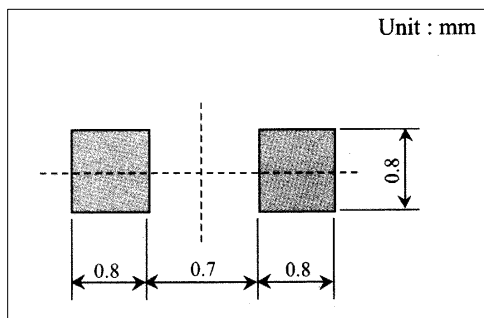
* 1 Condition for IFP is pulse of 1/10 duty and 0.1 msec width

Package Outline Drawing:



Dimensions: 1.6 (L) x 0.8 (W) x 0.8 (H) mm

Recommended Soldering Pattern For Reflow Soldering:



Tape Specifications:

Loaded Quantity per Reel: 4000 pcs/ reel

