

### Absolute Maximum Ratings

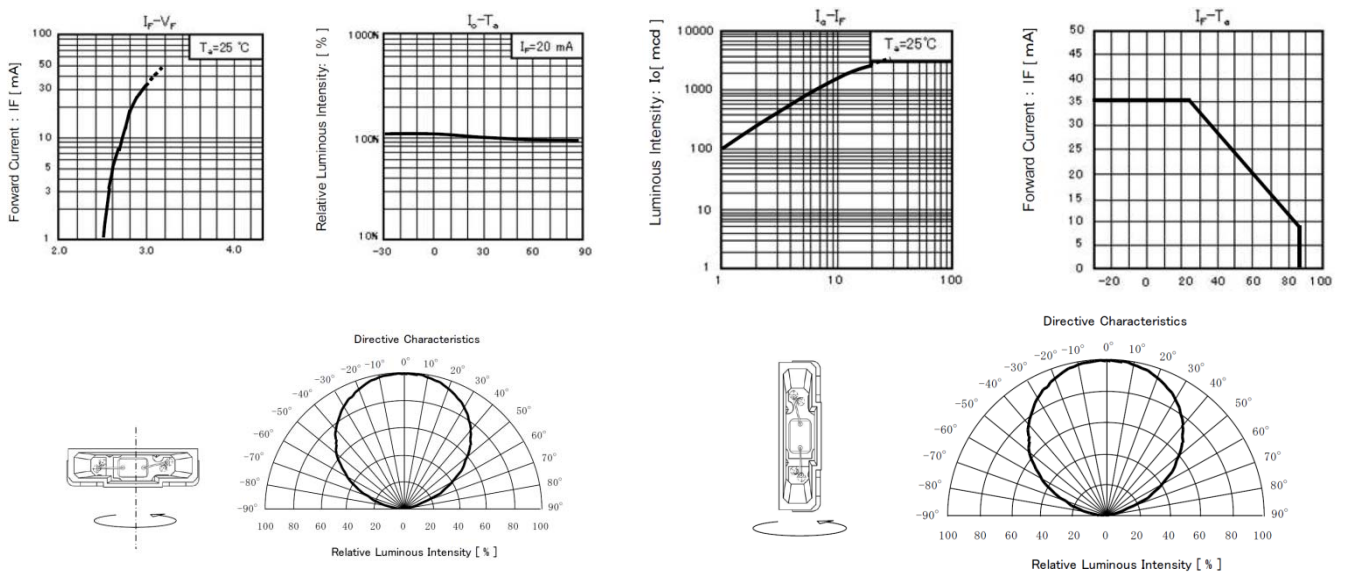
Item	Symbol	Ratings	Unit	Remarks
Power dissipation	$P_D$	120	mW	
Forward current	$I_{FDC}$	35	mA	
Pulse Forward current (Note1)	$I_{FP}$	100	mA	
Reverse voltage	$V_R$	5	V	
Operating ambient temperature	$T_{opr}$	-30 ~ +85	°C	
Storage temperature	$T_{stg}$	-40 ~ +100	°C	

(Note1) The condition of  $I_{FP}$  is duty 10 %, pulse width 10 ms.

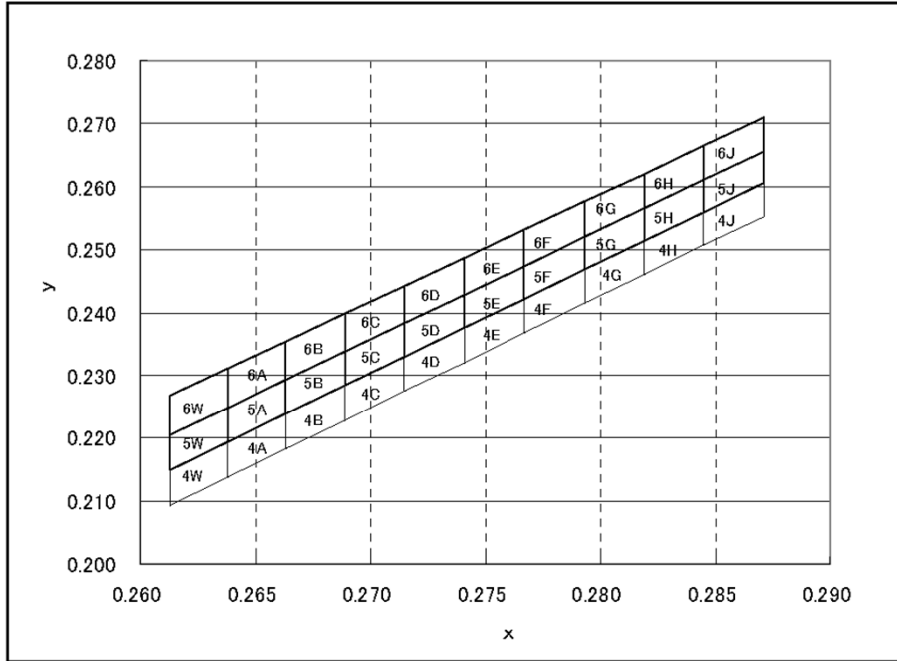
### Electrical-Optical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage (Note3)	$V_F$	$I_F = 20$ mA DC	2.7	—	2.9	V
Reverse current	$I_R$	$V_R = 5$ V	—	—	5.0	μA
Luminous Intensity (Note2)	$I_o$	$I_F = 20$ mA DC	2180	—	2720	mcd
Chromaticity Coordinates (Note5)	x	$I_F = 20$ mA DC	Rank classification of chromaticity			—
	y	$I_F = 20$ mA DC				

(Note2) Rank classification of Luminous Intensity  
Measurement tolerance is ±5 %



(Note5) Rank classification of chromaticity ※Condition :  $I_F = 20\text{mA}$

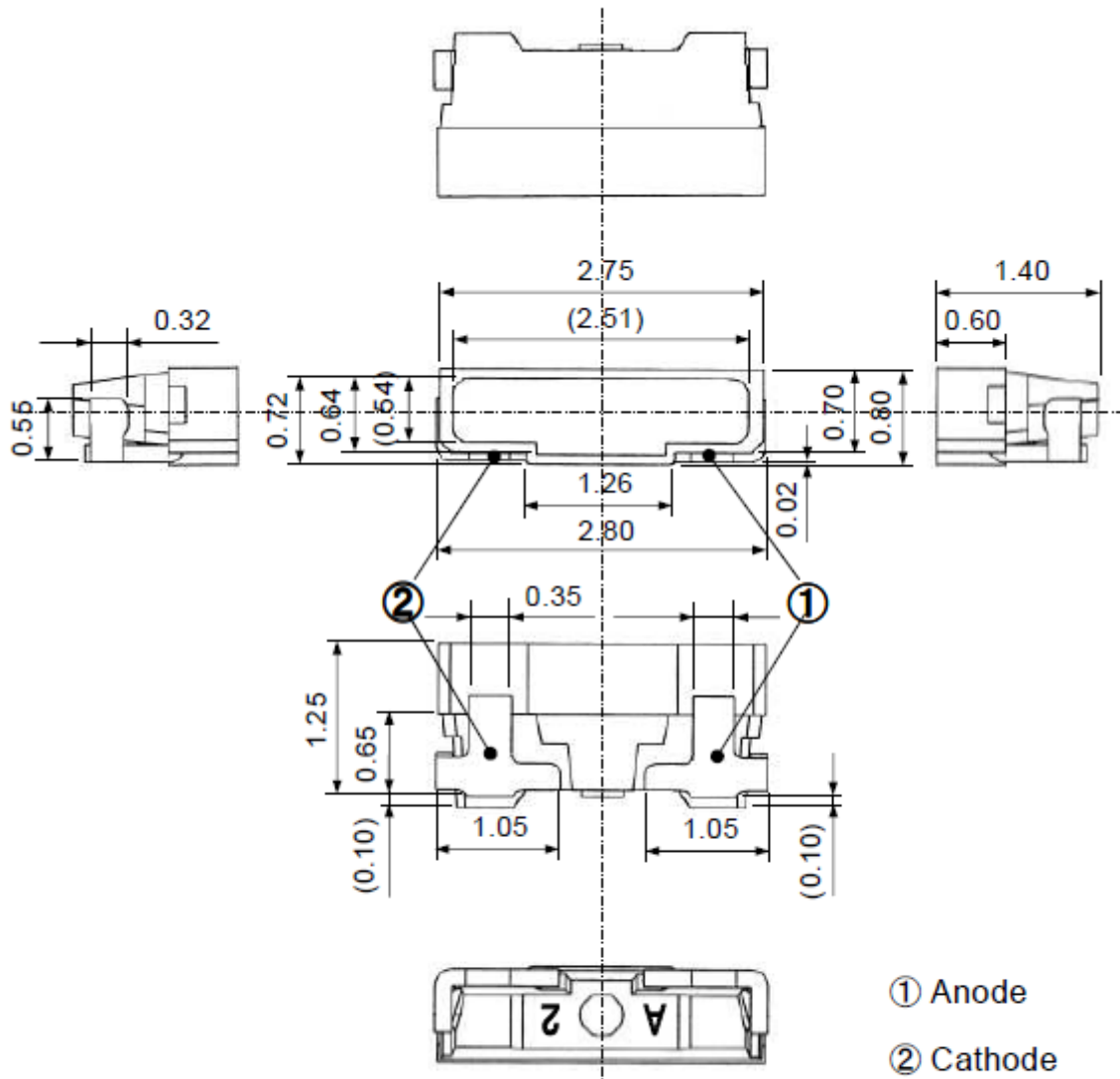


6W		6A		6B		6C		6D		6E		6F		6G		6H		6J	
0.2613	0.2268	0.2638	0.2311	0.2663	0.2354	0.2689	0.2398	0.2715	0.2442	0.2741	0.2487	0.2767	0.2531	0.2793	0.2576	0.2819	0.262	0.2845	0.2664
0.2638	0.2311	0.2663	0.2354	0.2689	0.2398	0.2715	0.2442	0.2741	0.2487	0.2767	0.2531	0.2793	0.2576	0.2819	0.262	0.2845	0.2664	0.2871	0.2709
0.2638	0.2248	0.2663	0.2292	0.2689	0.2338	0.2715	0.2383	0.2741	0.2429	0.2767	0.2474	0.2793	0.252	0.2819	0.2565	0.2845	0.2611	0.2871	0.2656
0.2613	0.2204	0.2638	0.2248	0.2663	0.2292	0.2689	0.2338	0.2715	0.2383	0.2741	0.2429	0.2767	0.2474	0.2793	0.252	0.2819	0.2565	0.2845	0.2611
0.2613	0.2268	0.2638	0.2311	0.2663	0.2354	0.2689	0.2398	0.2715	0.2442	0.2741	0.2487	0.2767	0.2531	0.2793	0.2576	0.2819	0.262	0.2845	0.2664
5W		5A		5B		5C		5D		5E		5F		5G		5H		5J	
0.2613	0.2204	0.2638	0.2248	0.2663	0.2292	0.2689	0.2338	0.2715	0.2383	0.2741	0.2429	0.2767	0.2474	0.2793	0.252	0.2819	0.2565	0.2845	0.2611
0.2638	0.2248	0.2663	0.2292	0.2689	0.2338	0.2715	0.2383	0.2741	0.2429	0.2767	0.2474	0.2793	0.252	0.2819	0.2565	0.2845	0.2611	0.2871	0.2656
0.2638	0.2194	0.2663	0.2238	0.2689	0.2284	0.2715	0.233	0.2741	0.2376	0.2767	0.2422	0.2793	0.2468	0.2819	0.2514	0.2845	0.256	0.2871	0.2606
0.2613	0.2150	0.2638	0.2194	0.2663	0.2238	0.2689	0.2284	0.2715	0.233	0.2741	0.2376	0.2767	0.2422	0.2793	0.2468	0.2819	0.2514	0.2845	0.2560
0.2613	0.2204	0.2638	0.2248	0.2663	0.2292	0.2689	0.2338	0.2715	0.2383	0.2741	0.2429	0.2767	0.2474	0.2793	0.252	0.2819	0.2565	0.2845	0.2565
4W		4A		4B		4C		4D		4E		4F		4G		4H		4J	
0.2613	0.2150	0.2638	0.2194	0.2663	0.2238	0.2689	0.2284	0.2715	0.233	0.2741	0.2376	0.2767	0.2422	0.2793	0.2468	0.2819	0.2514	0.2845	0.2560
0.2638	0.2194	0.2663	0.2238	0.2689	0.2284	0.2715	0.233	0.2741	0.2376	0.2767	0.2422	0.2793	0.2468	0.2819	0.2514	0.2845	0.256	0.2871	0.2606
0.2638	0.2137	0.2663	0.2182	0.2689	0.2228	0.2715	0.2274	0.2741	0.2321	0.2767	0.2367	0.2793	0.2414	0.2819	0.246	0.2845	0.2506	0.2871	0.2553
0.2613	0.2092	0.2638	0.2137	0.2663	0.2182	0.2689	0.2228	0.2715	0.2274	0.2741	0.2321	0.2767	0.2367	0.2793	0.2414	0.2819	0.246	0.2845	0.2506
0.2613	0.2150	0.2638	0.2194	0.2663	0.2238	0.2689	0.2284	0.2715	0.233	0.2741	0.2376	0.2767	0.2422	0.2793	0.2468	0.2819	0.2514	0.2845	0.2560

Measurement tolerance  $\pm 0.005$

- We call the area which is composed by the above points Rank of chromaticity.
- The warranty only applies  $I_F = 20\text{mA}$ . Please keep in mind that no warranty is given to any other current region.
- We classify the LEDs according to the above Rank. Rank cannot be mixed within a reel.

■ Outline



Notes

1. General size tolerance ;  $\pm 0.1\text{mm}$
2. Dimension exclusive length of weld flash.
3. ( ) inside dimension method be a reference value.

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