# **Panasonic**

#### Absolute Maximum Ratings

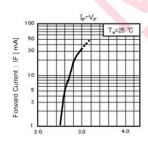
Item	Symbol	mbol Ratings		Remarks
Power dissipation	PD	120	mW	
Forward current	I <sub>FDC</sub>	35	mA	
Pulse Forward current (Note1)	I <sub>FP</sub>	100	mA	
Reverse voltage	V <sub>R</sub>	5	V	
Operating ambient temperature	Topr	-30 ∼ +85	°C	
Storage temperature	Tstg	-40 <b>~</b> +100	°C	

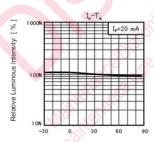
(Note1) The condition of I<sub>FP</sub> is duty 10 %, pulse width 10 ms.

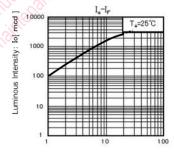
#### ■ Electrical-Optical Characteristics

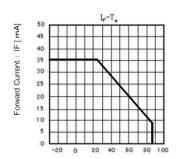
Item	Symbol	Condition	Min.	Тур.	Max.	Unit							
Forward voltage (Note3)	V <sub>F</sub>	I <sub>F</sub> =20 mA DC	2.7	/0	2.9	٧							
Reverse current	I <sub>R</sub>	$V_R = 5 V$		460,	5.0	μΑ							
Luminous Intensity (Note2)	I <sub>o</sub>	I <sub>F</sub> =20 mA DC	2180	CONTESTADO	2720	mcd							
Chromaticity Coordinates	x	I <sub>F</sub> =20 mA DC	Bonk alassi	fication of o	bromoticity								
(Note5)	у	I <sub>F</sub> =20 mA DC	Rank classi	ı									

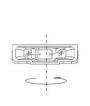
(Note2) Rank classification of Luminous Intensity
Measurement tolerance is ±5 %

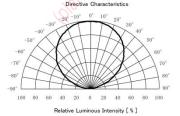


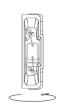


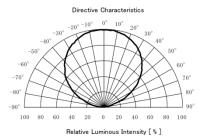






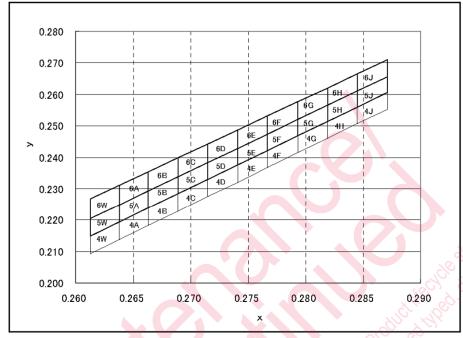






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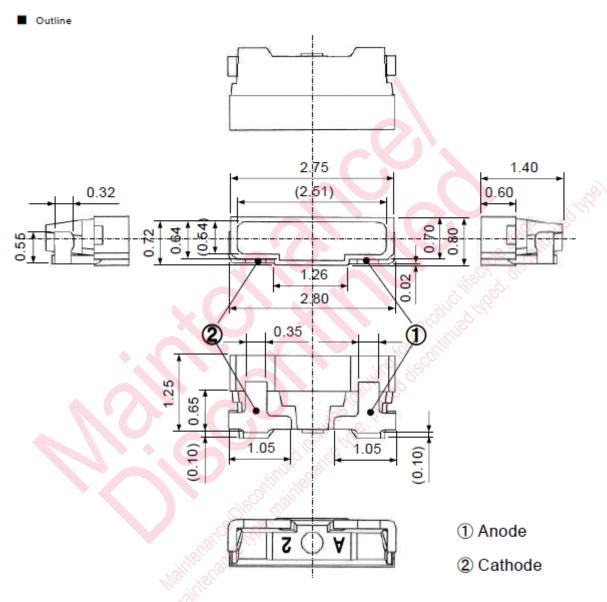


6	N	6.	Α	6E	3	60		6	D	6	E	61	\	6	G	6H		6J		
0.2613	0.2268	0.2638	0.2311	0.2663	0.2354	0.2689	0.2398	0.2715	0.2442	0.2741	0.2487	0.2767	0.2531	0.2793	0.2576	0.2819	0.262	0.2845	0.2664	
0.2638	0.2311	0.2663	0.2354	0.2689	0.2398	0.2715	0.2442	0.2741	0.2487	0.2767	0.2531	0.2793	0.2576	0.2819	0.262	0.2845	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	
5	5W 5A		5B		5C		5	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	
4	4W 4A		A	4B		4C		4	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 ±0.005

- · We call the area which is composed by the above points Rank of chromaticity.
- The warranty only applies I<sub>F</sub> = 20mA. Please keep in mind that no warranty is given to any other current region.
- We classifiy the LEDs according to the above Rank. Rank cannot be mixed within a reel.

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#### Notes

- 1. General size tolerance ; ±0.1mm
- 2. Dimension exclusive length of weld flash.
- 3. ( )inside dimension method be a reference value.

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