
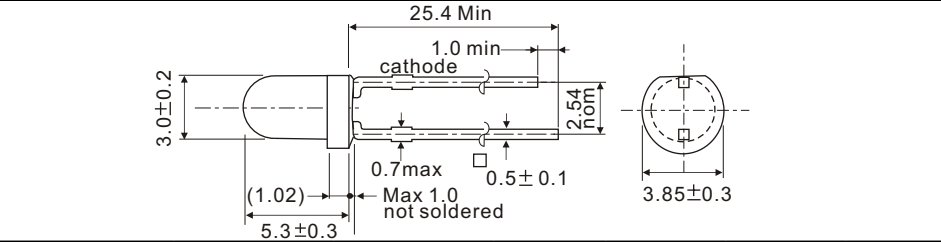



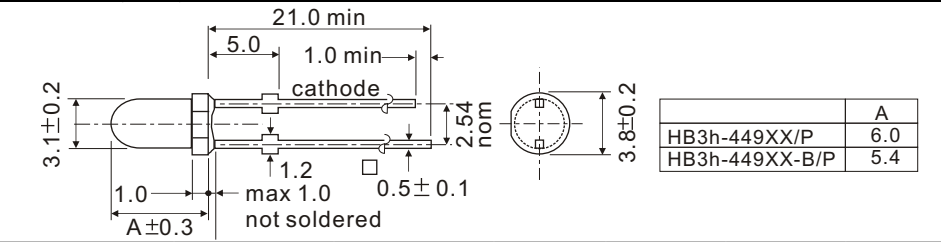
White Extra Bright LEDs


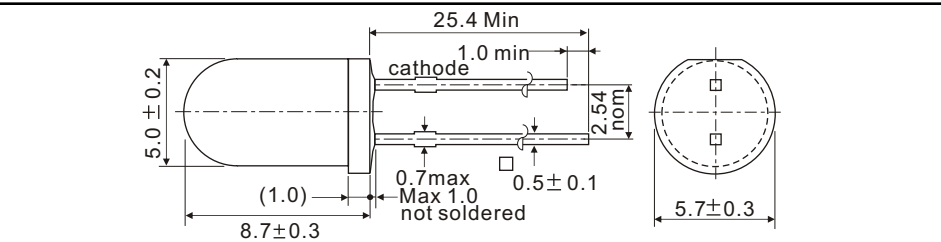
(sensitive to static electricity)

Ta=25°C

Device No	Color		CIE Coordinates Typical		VF Typical (V)	Brightness (mcd)		View Angle 2θ/2
	Material	Lens	X	Y		IV1	IV2	

φ 3									
	HB3b-449AWCA	GaInN/GaN	Water clear	0.30	0.31	3.6	1700	5000	29
	HB3b-449AWD	GaInN/GaN	Water clear	0.30	0.31	3.6	2000	6000	29
	HB3b-449AWE	GaInN/GaN	Water clear	0.30	0.31	3.6	2500	7000	29
	HB3b-449YWE	GaInN/GaN	Water clear	0.40	0.41	3.6	2000	6000	29
	HB3b-449AWF	GaInN/GaN	Water clear	0.30	0.31	3.6	3500	10000	29
	HB3b-449AWCA-B	GaInN/GaN	Water clear	0.30	0.31	3.6	1000	3000	40
	HB3b-449AWD-B	GaInN/GaN	Water clear	0.30	0.31	3.6	1500	3600	40
	HB3b-449AWE-B	GaInN/GaN	Water clear	0.30	0.31	3.6	1800	4000	40
HB3b-449AWF-B	GaInN/GaN	Water clear	0.30	0.31	3.6	2500	5500	40	

φ 3		 <table border="1" data-bbox="1225 1144 1485 1218"> <tr> <td></td> <td>A</td> </tr> <tr> <td>HB3h-449XX/P</td> <td>6.0</td> </tr> <tr> <td>HB3h-449XX-B/P</td> <td>5.4</td> </tr> </table>								A	HB3h-449XX/P	6.0	HB3h-449XX-B/P	5.4
		A												
	HB3h-449XX/P	6.0												
HB3h-449XX-B/P	5.4													
HB3h-449AW/P	GaInN/GaN	Water clear	0.31	0.32	3.6	3500	8500	20						
HB3h-449AW-B/P	GaInN/GaN	Water clear	0.31	0.32	3.6	2200	4000	35						

φ 5									
	HB5-439AWCA	GaInN/GaN	Water clear	0.30	0.31	3.6	4600	10000	22
	HB5-439AWD	GaInN/GaN	Water clear	0.30	0.31	3.6	6500	12000	22
	HB5-439AWE	GaInN/GaN	Water clear	0.30	0.31	3.6	7500	16000	22
	HB5-439YWE	GaInN/GaN	Water clear	0.40	0.41	3.6	6500	12000	22
	HB5-439AWF	GaInN/GaN	Water clear	0.30	0.31	3.6	10000	20000	22
	HB5-439AWCA-C	GaInN/GaN	Water clear	0.30	0.32	3.6	2000	4200	43
	HB5-439AWD-C	GaInN/GaN	Water clear	0.30	0.32	3.6	2500	6000	43
	HB5-439YWE-C	GaInN/GaN	Water clear	0.40	0.41	3.6	2500	6000	43
	HB5-439AWE-C	GaInN/GaN	Water clear	0.30	0.32	3.6	3000	8000	43
HB5-439AWF-C	GaInN/GaN	Water clear	0.30	0.31	3.6	3600	10000	43	