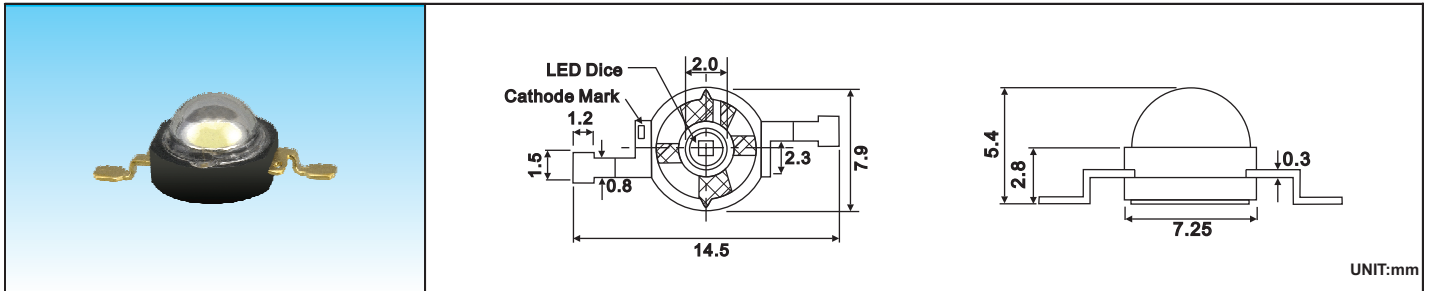




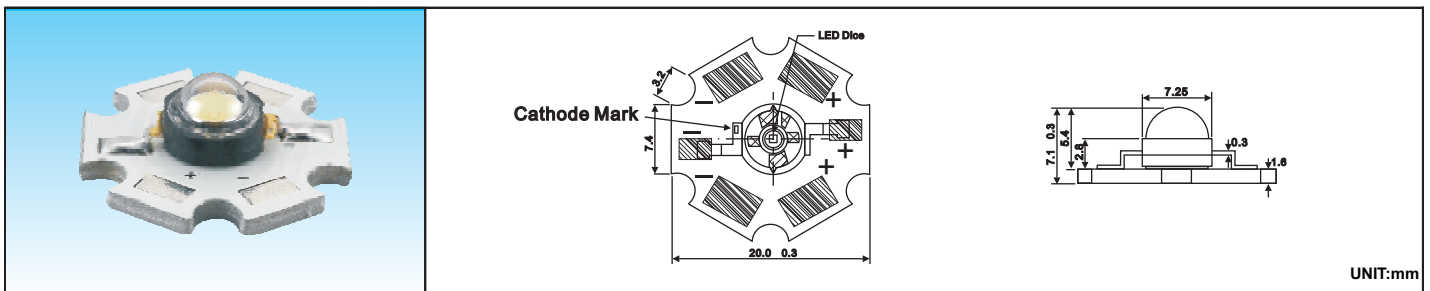
High Power 3W For Lambertian LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPB8b-43K3G		Green	Water clear	520	525	3.6	100.0	120
HPB8b-44K3Y		Yellow		595	590	2.3	75.0	
HPB8b-45K3R		Red		635	625	2.3	85.0	
HPB8b-48K3BHB		Blue		462	465	3.5	65.0	
HPB8b-49K3WGB		Pure White		6000°K		3.8	218.0	
HPB8b-49K3WHB				3.5	235.0			
HPB8b-49K3YWGB		Warm White		3300°K		3.8	179.0	
HPB8b-49K3YWHB				3.5	190.0			



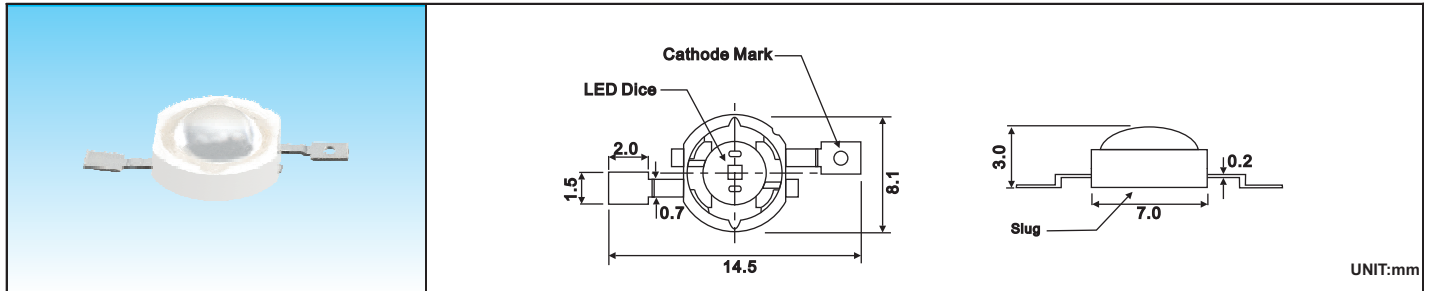
HPB8b-43K3G/WPCB		Green	Water clear	520	525	3.6	100.0	120
HPB8b-44K3Y/WPCB		Yellow		595	590	2.3	75.0	
HPB8b-45K3R/WPCB		Red		635	625	2.3	85.0	
HPB8b-48K3BHB/WPCB		Blue		462	465	3.5	65.0	
HPB8b-49K3WGB/WPCB		Pure White		6000°K		3.8	218.0	
HPB8b-49K3WHB/WPCB				3.5	235.0			
HPB8b-49K3YWGB/WPCB		Warm White		3300°K		3.8	179.0	
HPB8b-49K3YWHB/WPCB				3.5	190.0			

High Power 3W For Lambertian LEDs

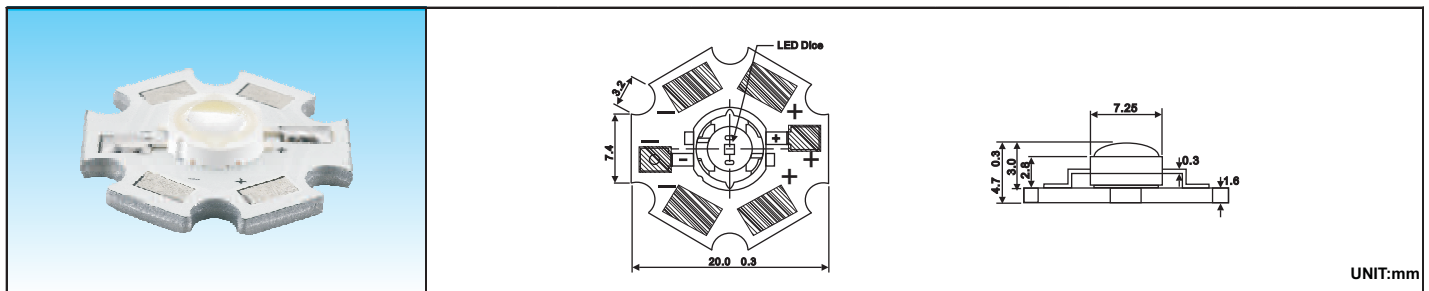


IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPB8C-43K3G		Green	Water clear	520	525	3.6	100.0	120
HPB8C-44K3Y		Yellow		595	590	2.3	75.0	
HPB8C-45K3R		Red		635	625	2.3	85.0	
HPB8C-48K3BHB		Blue		462	465	3.5	65.0	
HPB8C-49K3WGB		Pure White		6000°K		3.8	218.0	
HPB8C-49K3WHB				3.5	235.0			
HPB8C-49K3YWGB		Warm White		3300°K		3.8	179.0	
HPB8C-49K3YWHB				3.5	190.0			



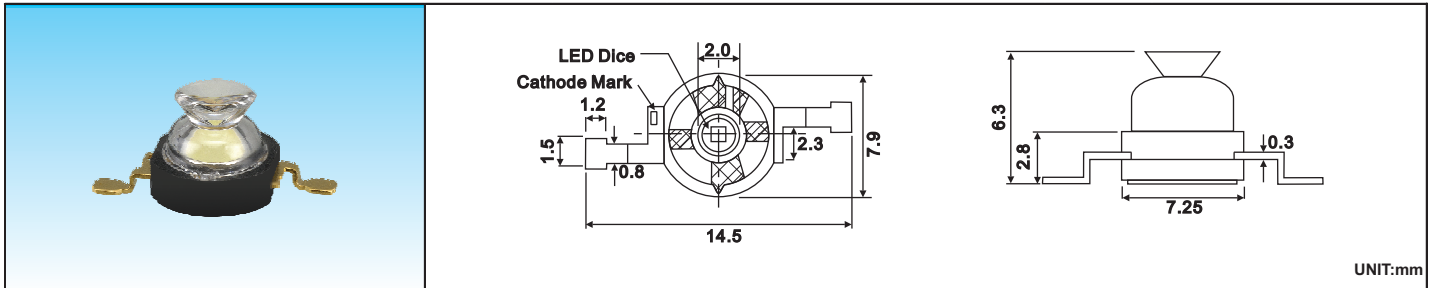
HPB8C-43K3G/WPCB		Green	Water clear	520	525	3.6	100.0	120
HPB8C-44K3Y/WPCB		Yellow		595	590	2.3	75.0	
HPB8C-45K3R/WPCB		Red		635	625	2.3	85.0	
HPB8C-48K3BHB/WPCB		Blue		462	465	3.5	65.0	
HPB8C-49K3WGB/WPCB		Pure White		6000°K		3.8	218.0	
HPB8C-49K3WHB/WPCB				3.5	235.0			
HPB8C-49K3YWGB/WPCB		Warm White		3300°K		3.8	179.0	
HPB8C-49K3YWHB/WPCB				3.5	190.0			



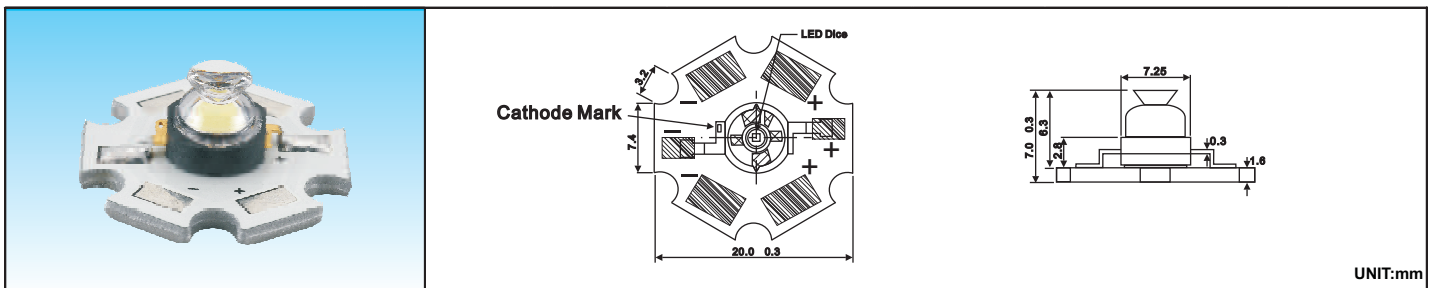
High Power 3W For Side Emitting LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPS8b-43K3G	Green	Water clear	520	525	3.6	90.0	80
HPS8b-44K3Y	Yellow		595	590	2.3	68.0	
HPS8b-45K3R	Red		635	625	2.3	77.0	
HPS8b-48K3BHB	Blue		462	465	3.5	58.0	
HPS8b-49K3WGB	Pure White		6000°K		3.8	162.0	
HPS8b-49K3WHB			6000°K		3.5	210.0	
HPS8b-49K3YWGB	Warm White		3300°K		3.8	135.0	
HPS8b-49K3YWHB			3300°K		3.5	170.0	



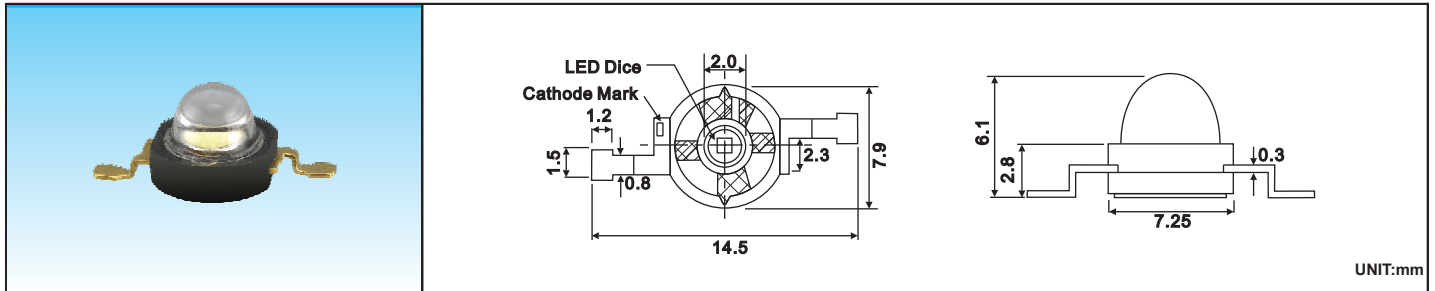
HPS8b-43K3G/WPCB	Green	Water clear	520	525	3.6	90.0	80
HPS8b-44K3Y/WPCB	Yellow		595	590	2.3	68.0	
HPS8b-45K3R/WPCB	Red		635	625	2.3	77.0	
HPS8b-48K3BHB/PCB	Blue		462	465	3.5	58.0	
HPS8b-49K3WGB/WPCB	Pure White		6000°K		3.8	162.0	
HPS8b-49K3WHB/WPCB			6000°K		3.5	210.0	
HPS8b-49K3YWGB/WPCB	Warm White		3300°K		3.8	135.0	
HPS8b-49K3YWHB/WPCB			3300°K		3.5	170.0	

High Power 3W For Focusing LEDs

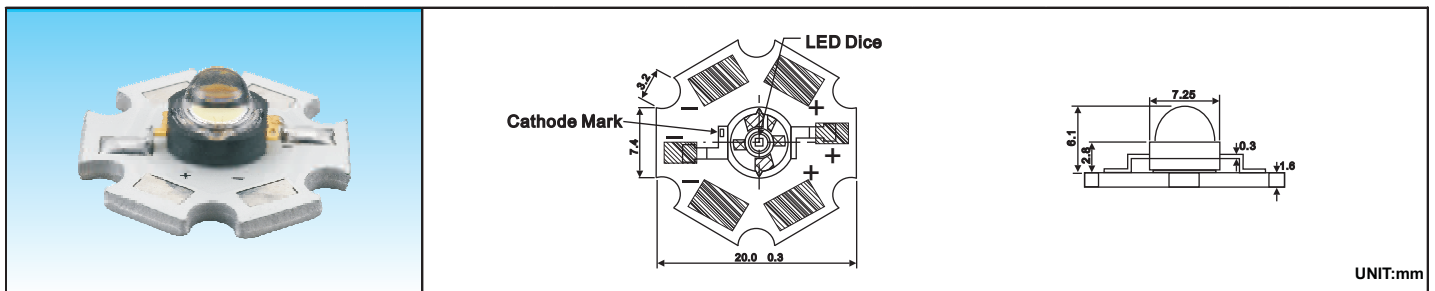


IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPD8b-43K3G	Green	Water clear	520	525	3.6	100.0	45
HPD8b-44K3Y	Yellow		595	590	2.3	75.0	
HPD8b-45K3R	Red		635	625	2.3	85.0	
HPD8b-48K3BHB	Blue		462	465	3.5	65.0	
HPD8b-49K3WGB	Pure White		6000°K		3.8	218.0	
HPD8b-49K3WHB			6000°K		3.5	235.0	
HPD8b-49K3YWGB	Warm White		3300°K		3.8	179.0	
HPD8b-49K3YWHB			3300°K		3.5	190.0	



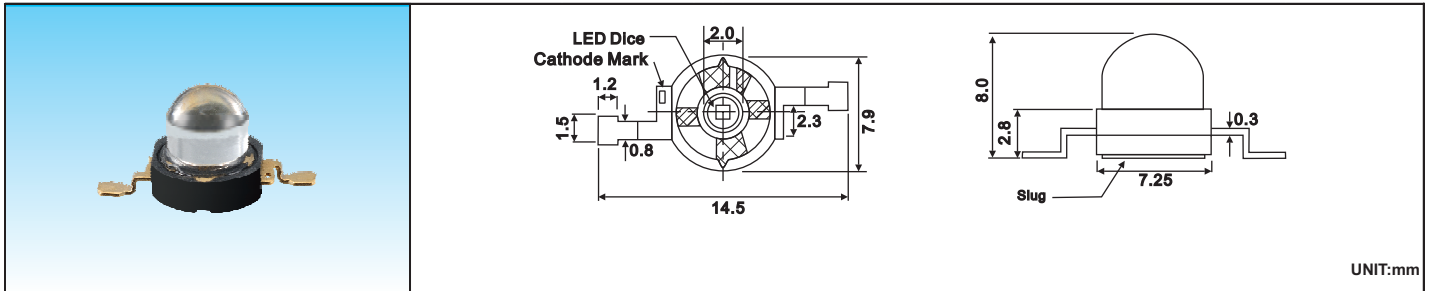
HPD8b-43K3G/WPCB	Green	Water clear	520	525	3.6	100.0	45
HPD8b-44K3Y/WPCB	Yellow		595	590	2.3	75.0	
HPD8b-45K3R/WPCB	Red		635	625	2.3	85.0	
HPD8b-48K3BHB/WPCB	Blue		462	465	3.5	65.0	
HPD8b-49K3WGB/WPCB	Pure White		6000°K		3.8	218.0	
HPD8b-49K3WHB/WPCB			6000°K		3.5	235.0	
HPD8b-49K3YWGB/WPCB	Warm White		3300°K		3.8	179.0	
HPD8b-49K3YWHB/WPCB			3300°K		3.5	190.0	



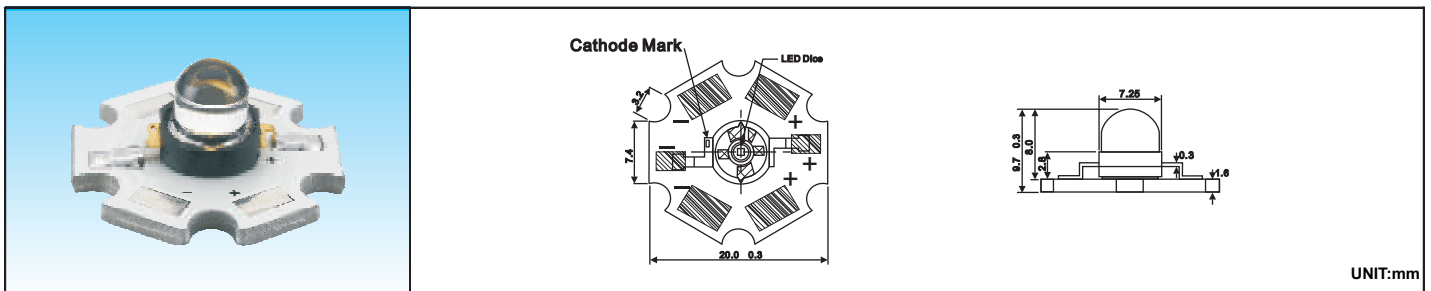
High Power 3W For Focusing LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPE8b-43K3G	Green	Water clear	520	525	3.6	100.0	25
HPE8b-44K3Y	Yellow		595	590	2.3	75.0	
HPE8b-45K3R	Red		635	625	2.3	85.0	
HPE8b-48K3BHB	Blue		462	465	3.5	65.0	
HPE8b-49K3WGB	Pure White		6000°K		3.8	218.0	
HPE8b-49K3WHB			6000°K		3.5	235.0	
HPE8b-49K3YWGB	Warm White		3300°K		3.8	179.0	
HPE8b-49K3YWHB			3300°K		3.5	190.0	



HPE8b-43K3G/WPCB	Green	Water clear	520	525	3.6	100.0	25
HPE8b-44K3Y/WPCB	Yellow		595	590	2.3	75.0	
HPE8b-45K3R/WPCB	Red		635	625	2.3	85.0	
HPE8b-48K3BHB/WPCB	Blue		462	465	3.5	65.0	
HPE8b-49K3WGB/WPCB	Pure White		6000°K		3.8	218.0	
HPE8b-49K3WHB/WPCB			6000°K		3.5	235.0	
HPE8b-49K3YWGB/WPCB	Warm White		3300°K		3.8	179.0	
HPE8b-49K3YWHB/WPCB			3300°K		3.5	190.0	