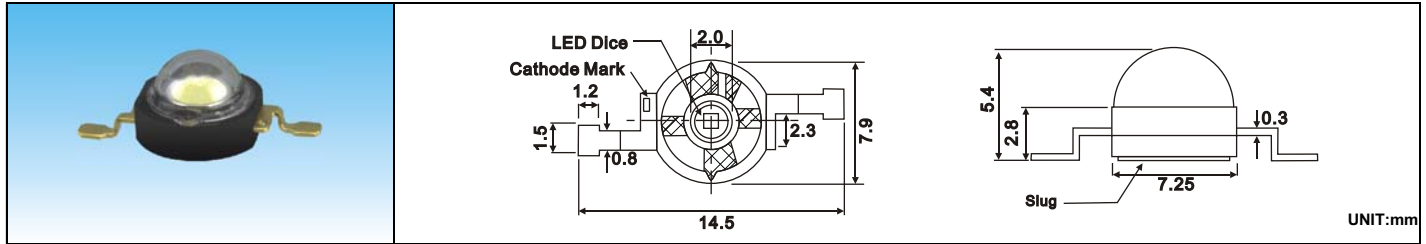


High Power 5W For Lambertian LEDs

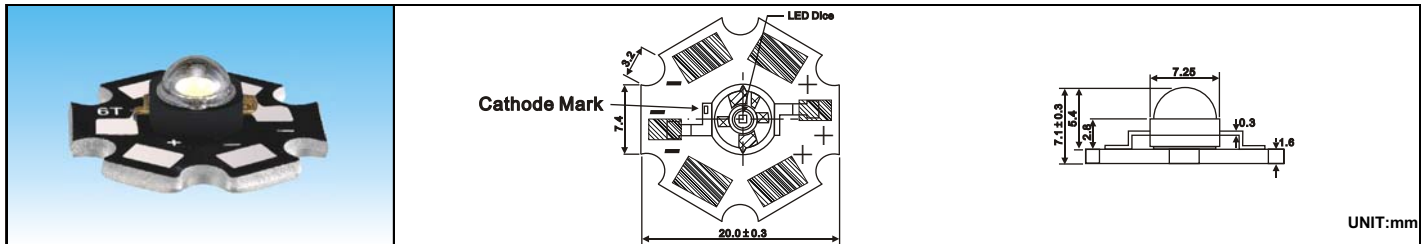


IF=1400mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle $2\theta 1/2$



HPB8b-43K5G		Green	Water clear	520	525	3.8	160.0	120
HPB8b-44K5Y		Yellow		595	590	2.3	120.0	
HPB8b-45K5R		Red		635	625	2.3	136.0	
HPB8b-48K5BB		Blue		462	465	3.6	80.0	
HPB8b-49K5WB		Pure White		6000°K		3.6	220.0	
HPB8b-49K5YWB		Warm White		3300°K		3.6	195.0	



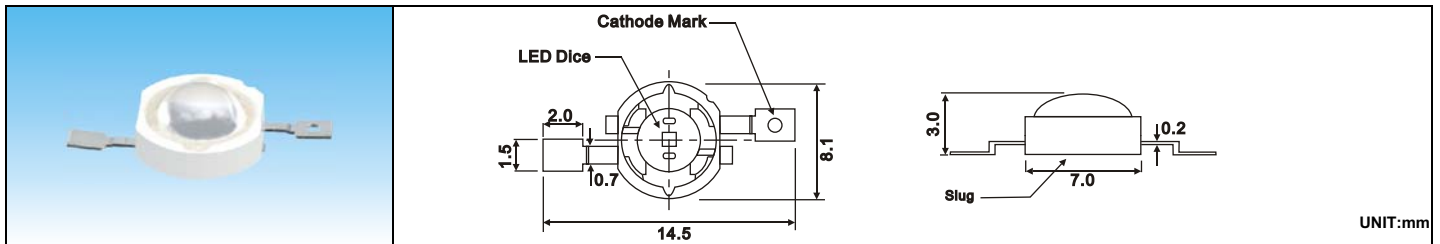
HPB8b-43K5G/PCB		Green	Water clear	520	525	3.8	160.0	120
HPB8b-44K5Y/PCB		Yellow		595	590	2.3	120.0	
HPB8b-45K5R/PCB		Red		635	625	2.3	136.0	
HPB8b-48K5BB/PCB		Blue		462	465	3.6	80.0	
HPB8b-49K5WB/PCB		Pure White		6000°K		3.6	220.0	
HPB8b-49K5YWB/PCB		Warm White		3300°K		3.6	195.0	



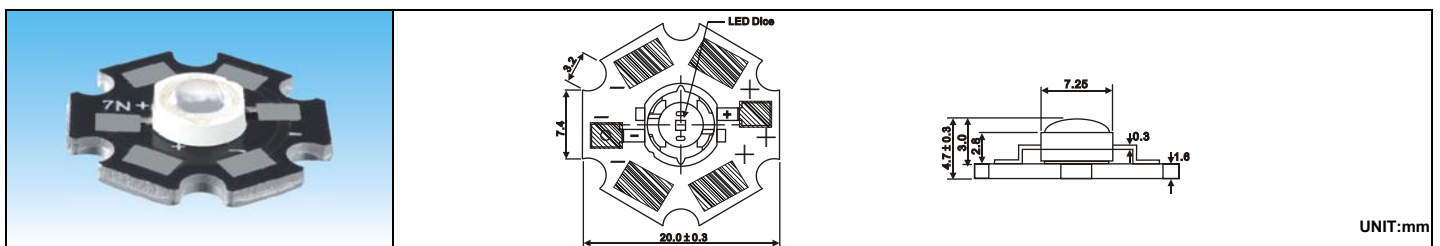
High Power 5W For Lambertian LEDs

IF=1400mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle $2\theta 1/2$



HPB8C-43K5G		Green	Water clear	520	525	3.8	160.0	120
HPB8C-44K5Y		Yellow		595	590	2.3	120.0	
HPB8C-45K5R		Red		635	625	2.3	136.0	
HPB8C-48K5BB		Blue		462	465	3.6	80.0	
HPB8C-49K5WB		Pure White		6000°K		3.6	220.0	
HPB8C-49K5YWB		Warm White		3300°K		3.6	195.0	



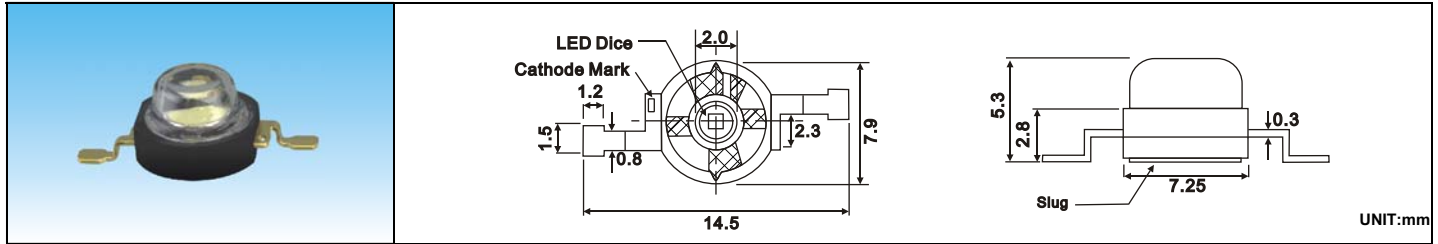
HPB8C-43K5G/PCB		Green	Water clear	520	525	3.8	160.0	120
HPB8C-44K5Y/PCB		Yellow		595	590	2.3	120.0	
HPB8C-45K5R/PCB		Red		635	625	2.3	136.0	
HPB8C-48K5BB/PCB		Blue		462	465	3.6	80.0	
HPB8C-49K5WB/PCB		Pure White		6000°K		3.6	220.0	
HPB8C-49K5YWB/PCB		Warm White		3300°K		3.6	195.0	

High Power 5W For Batwing LEDs

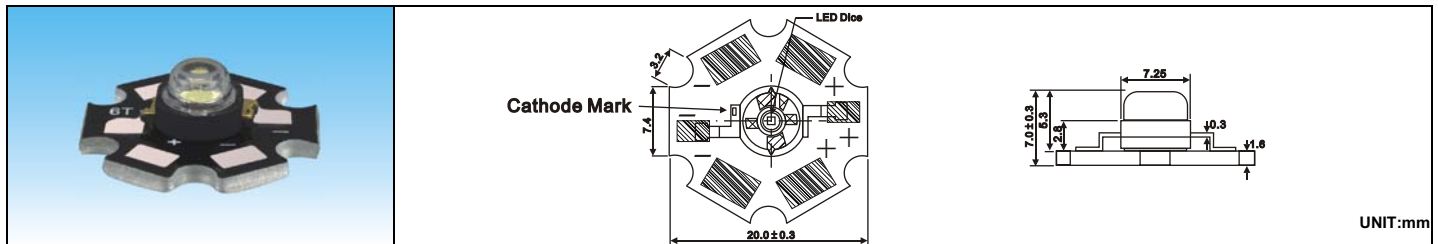


IF=1400mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle $2\theta 1/2$



HPC8b-43K5G		Green	Water clear	520	525	3.8	160.0	110
HPC8b-44K5Y		Yellow		595	590	2.3	120.0	
HPC8b-45K5R		Red		635	625	2.3	136.0	
HPC8b-48K5BB		Blue		462	465	3.6	80.0	
HPC8b-49K5WB		Pure White		6000°K		3.6	220.0	
HPC8b-49K5YWB		Warm White		3300°K		3.6	195.0	



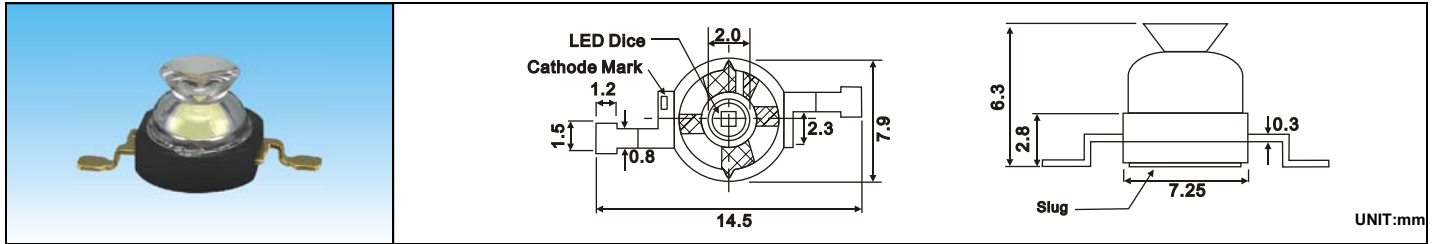
HPC8b-43K5G/PCB		Green	Water clear	520	525	3.8	160.0	110
HPC8b-44K5Y/PCB		Yellow		595	590	2.3	120.0	
HPC8b-45K5R/PCB		Red		635	625	2.3	136.0	
HPC8b-48K5BB/PCB		Blue		462	465	3.6	80.0	
HPC8b-49K5WB/PCB		Pure White		6000°K		3.6	220.0	
HPC8b-49K5YWB/PCB		Warm White		3300°K		3.6	195.0	



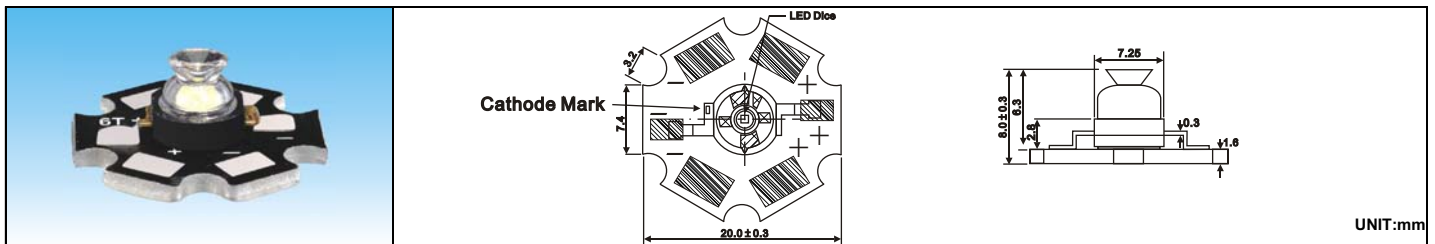
High Power 5W Side Emitting LEDs

IF=1400mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle $2\theta 1/2$



HPS8b-43K5G		Green	Water clear	520	525	3.8	146.0	±80
HPS8b-44K5Y		Yellow		595	590	2.3	108.0	
HPS8b-45K5R		Red		635	625	2.3	123.0	
HPS8b-48K5BB		Blue		462	465	3.6	72.0	
HPS8b-49K5WB		Pure White		6000°K		3.6	200.0	
HPS8b-49K5YWB		Warm White		3300°K		3.6	180.0	



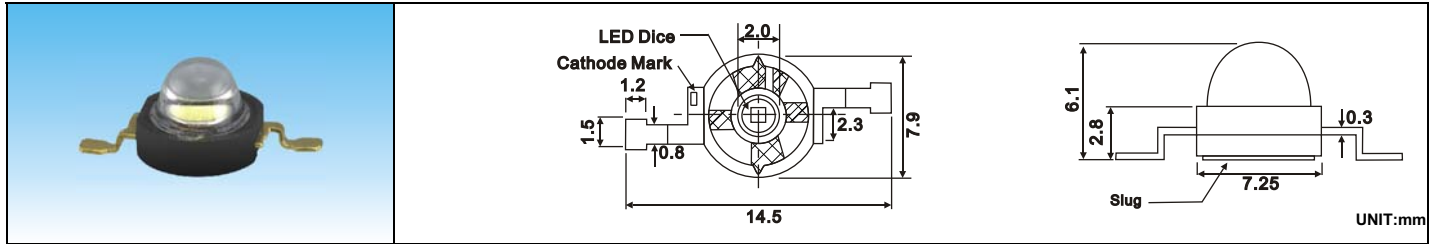
HPS8b-43K5G/PCB		Green	Water clear	520	525	3.8	146.0	±80
HPS8b-44K5Y/PCB		Yellow		595	590	2.3	108.0	
HPS8b-45K5R/PCB		Red		635	625	2.3	123.0	
HPS8b-48K5BB/PCB		Blue		462	465	3.6	72.0	
HPS8b-49K5WB/PCB		Pure White		6000°K		3.6	200.0	
HPS8b-49K5YWB/PCB		Warm White		3300°K		3.6	180.0	

High Power 5W For Focusing LEDs

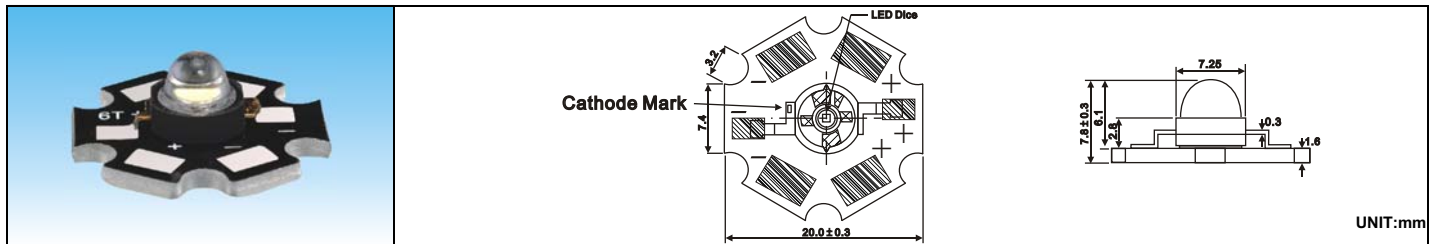


IF=1400mA Ta=25°C

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



HPD8b-43K5G		Green	Water clear	520	525	3.8	160.0	45
HPD8b-44K5Y		Yellow		595	590	2.3	120.0	
HPD8b-45K5R		Red		635	625	2.3	136.0	
HPD8b-48K5BB		Blue		462	465	3.6	80.0	
HPD8b-49K5WB		Pure White		6000°K		3.6	220.0	
HPD8b-49K5YWB		Warm White		3300°K		3.6	195.0	



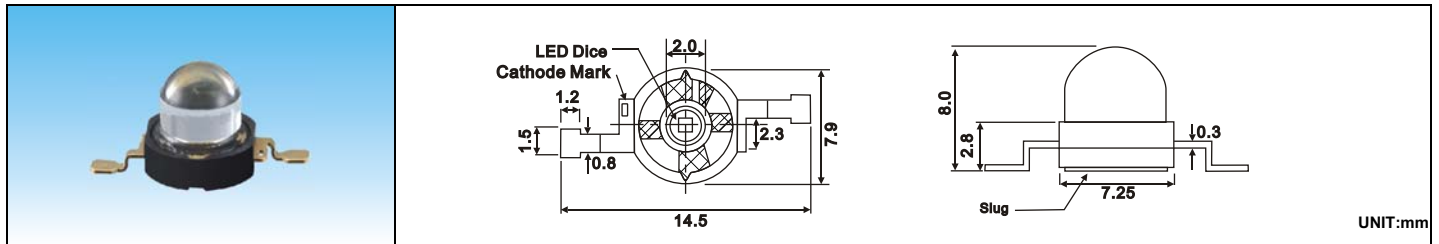
HPD8b-43K5G/PCB		Green	Water clear	520	525	3.8	160.0	45
HPD8b-44K5Y/PCB		Yellow		595	590	2.3	120.0	
HPD8b-45K5R/PCB		Red		635	625	2.3	136.0	
HPD8b-48K5BB/PCB		Blue		462	465	3.6	80.0	
HPD8b-49K5WB/PCB		Pure White		6000°K		3.6	220.0	
HPD8b-49K5YWB/PCB		Warm White		3300°K		3.6	195.0	



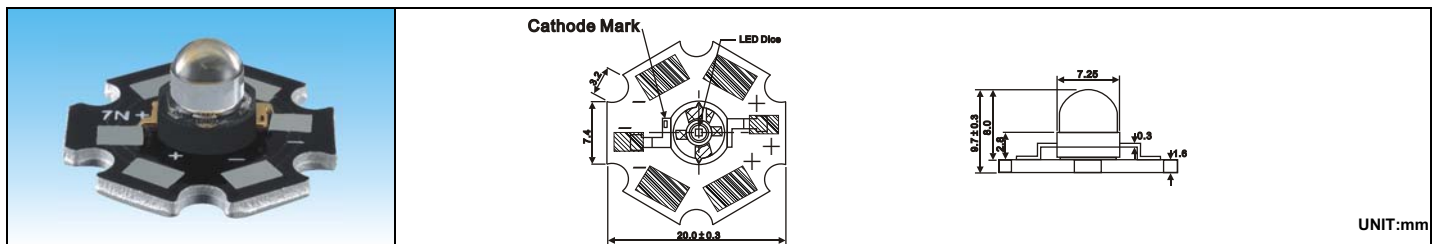
High Power 5W For Focusing LEDs

IF=1400mA 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-43K5G		Green	Water clear	520	525	3.8	160.0	25
HPE8b-44K5Y		Yellow		595	590	2.3	120.0	
HPE8b-45K5R		Red		635	625	2.3	136.0	
HPE8b-48K5BB		Blue		462	465	3.6	80.0	
HPE8b-49K5WB		Pure White		6000°K		3.6	220.0	
HPE8b-49K5YWB		Warm White		3300°K		3.6	195.0	



HPE8b-43K5G/PCB		Green	Water clear	520	525	3.8	160.0	25
HPE8b-44K5Y/PCB		Yellow		595	590	2.3	120.0	
HPE8b-45K5R/PCB		Red		635	625	2.3	136.0	
HPE8b-48K5BB/PCB		Blue		462	465	3.6	80.0	
HPE8b-49K5WB/PCB		Pure White		6000°K		3.6	220.0	
HPE8b-49K5YWB/PCB		Warm White		3300°K		3.6	195.0	