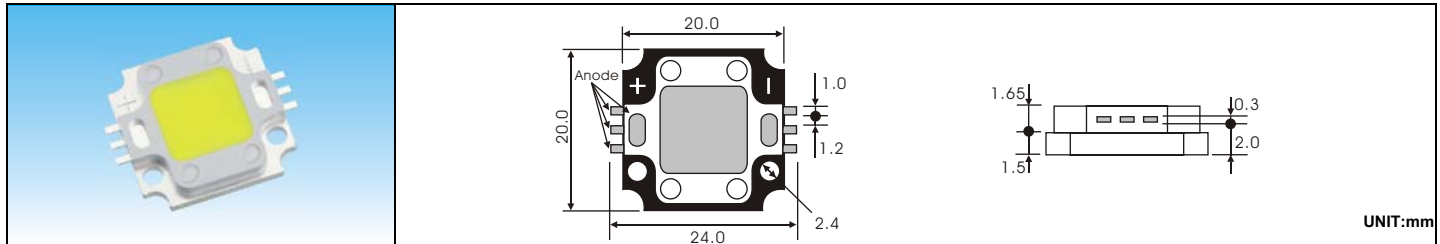


High Power 10W LEDs



IF=700mA Ta=25°C

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



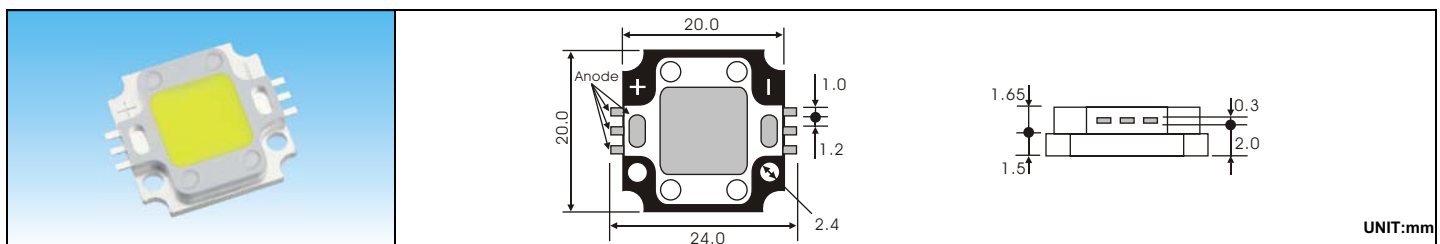
HPR20D-43K10G		Green	White diffused	520	525	14	665	120
HPR20D-44K10Y		Yellow		595	590	9	507	
HPR20D-45K10R		Red		635	625	9	525	
HPR20D-48K10B		Blue		462	465	14	280	
HPR20D-19K10BW		Cool White	Yellow diffused	8000°K		14	700	
HPR20D-19K10W		Pure White		6000°K		14	700	
HPR20D-19K10NW		Nature White		4000°K		14	680	
HPR20D-19K10YW		Warm White		3300°K		14	630	

High Power 10W Low Voltage LEDs



IF=1050mA Ta=25°C

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



HPR20D-43K10G-D		Green	White diffused	520	525	10.5	727	120
HPR20D-44K10Y-D		Yellow		595	590	7.0	550	
HPR20D-45K10R-D		Red		635	625	7.0	570	
HPR20D-48K10B-D		Blue		462	465	10.5	306	
HPR20D-19K10BW-D		Cool White	Yellow diffused	8000°K		10.5	765	
HPR20D-19K10W-D		Pure White		6000°K		10.5	765	
HPR20D-19K10NW-D		Nature White		4000°K		10.5	743	
HPR20D-19K10YW-D		Warm White		3300°K		10.5	688	