

Power-Flux SFNMP series Collimator Module

Features

- 25° View angle.
- Work with Power-Flux Lambertian emitter

Typical Applications

- Reading lights
- Portable flashlight
- Uplighters and Downlighters
- General lighting

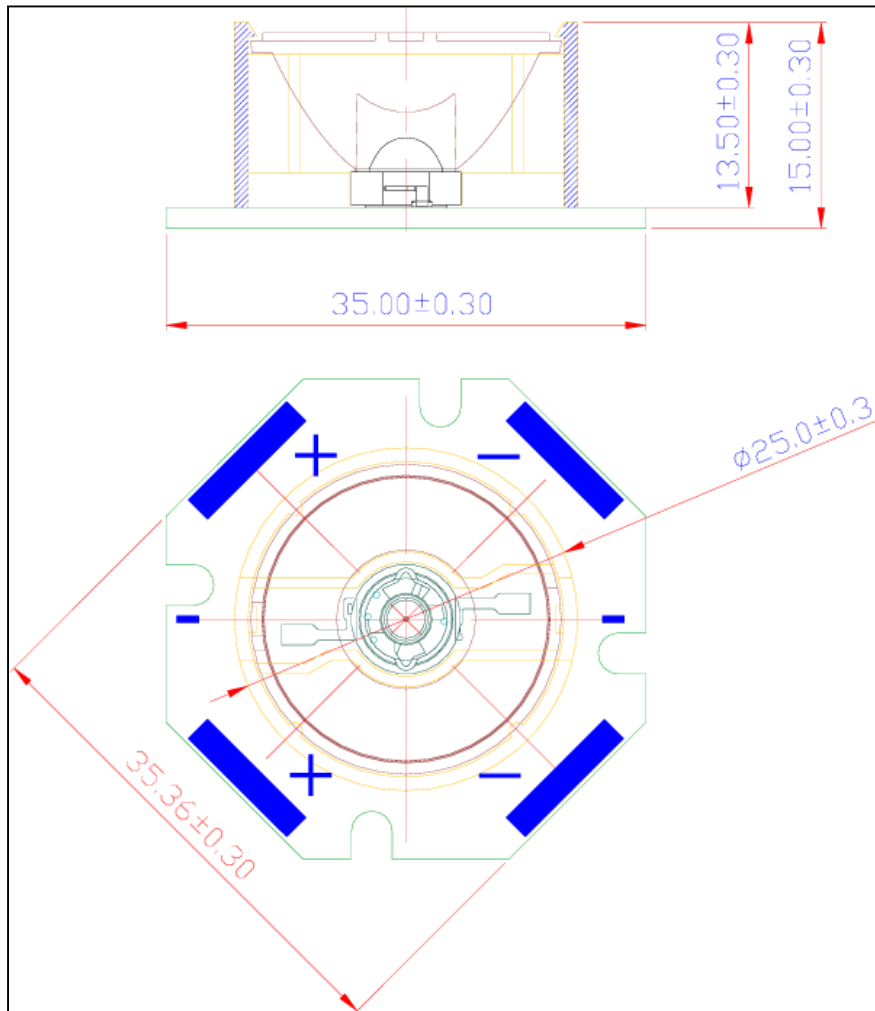


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Power-Flux Module Group

<u>Emitter</u>	Blue	True Green	Amber	Red Orange
Lambertian	SFNMPB-222A-011	SFNMPT-222A-011	SFNMPA-222A-011	SFNMPO-222A-011
<u>Emitter</u>	Red	Warm White	White	
Lambertian	SFNMPR-222A-011	SFNMPX-222A-011	SFNMPW-222A-011	

Lambertian Package Outlines



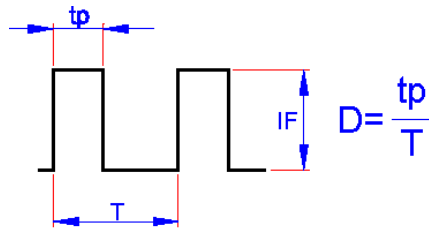
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Unit : mm

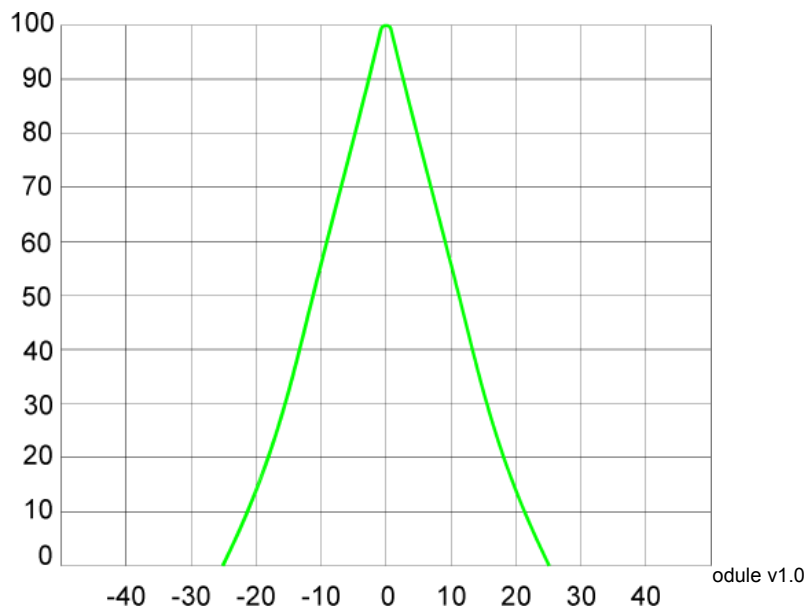
Absolute Maximum Ratings

Parameter	Symbol	Rating	Units
DC Forward Current	IF	350	mA
Peak pulse current;(tp≤10μs, Duty cycle=0.005)*1	I _{pulse}	1000	mA
Reverse Voltage	V _R	5	V
LED junction Temperature (at 350 mA)	T _j	125	°C
Operating Temperature	T _{opr}	-30 ~ +60	°C
Storage Temperature	T _{stg}	-40 ~ +70	°C
Manual Soldering Time at 260°C(Max.)	T _{sol}	5	seconds

1. Duty cycle:



Typical Radiation Pattern



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Main Specifications (Ta=25°C)

Parameter	Symbol	Part Number	Color	Values			Units
				Min.	Typ.	Max.	
Luminous Flux (I _F =350mA) Lambertian	Flux	SFNMPB-222A-011	Blue	4.8	10	---	lm
		SFNMPT-222A-011	True Green	23.3	30	---	lm
		SFNMPA-222A-011	Amber	23.3	30	---	lm
		SFNMPO-222A-011	Red Orange	23.3	30	---	lm
		SFNMPR-222A-011	Red	17.9	28	---	lm
		SFNMPX-222A-011	Warm White	13.8	22	---	lm
		SFNMPW-222A-011	White	23.3	30	---	lm
Forward Voltage (I _F =350mA) Lambertian	V _F	SFNMPB-222A-011	Blue	2.8	3.5	4.0	V
		SFNMPT-222A-011	True Green	2.8	3.2	4.0	V
		SFNMPA-222A-011	Amber	2.0	2.2	2.75	V
		SFNMPO-222A-011	Red Orange	2.0	2.2	2.75	V
		SFNMPR-222A-011	Red	2.0	2.2	2.75	V
		SFNMPX-222A-011	Warm White	2.8	3.5	4.0	V
		SFNMPW-222A-011	White	2.8	3.5	4.0	V
Wavelength Temperature (I _F =350mA) Lambertian	CCT	SFNMPB-222A-011	Blue	460	---	475	nm
		SFNMPT-222A-011	True Green	515	---	535	nm
		SFNMPA-222A-011	Amber	585	---	595	nm
		SFNMPO-222A-011	Red Orange	610	---	620	nm
		SFNMPR-222A-011	Red	620	---	630	nm
		SFNMPX-222A-011	Warm White	2850	---	3800	K
		SFNMPW-222A-011	White	5000	---	8000	K