

SUPER INTENSITY VISIBLE LED/INFRARED LED/PHOTO DETECTOR

查询P85123供应商

博多邦 专业PCB打样工厂 24小时加急出货



Stanley's super-intensity visible and infrared LEDs (660 nm to 950 nm) are suitable as light sources for optical communications, bar-code readers and sensors. The package of the □□-311, □□-511 and □□-1011 series, used for light sourcing and reception, can be easily combined with lenses since the position determination accuracy is very high.

▼INFRARED LED FOR OPTICAL COMMUNICATIONS USE

Ta=25°C

Type No.	Absolute Maximum Ratings							Electro-Optical Characteristics										fig.
	Power Dissipation	Forward Current	Derating	Peak Forward Current	Reverse Voltage	Operating Temp.	Storage Temp.	Radiant Intensity I _F			Forward Voltage V _F		Reverse Current I _R		Cut-Off Frequency	Peak Sensitive Wavelength		
	Pd	I _F	ΔI _F	I _{FM}	V _R	T _{opr}	T _{stg}	MIN	TYP.	I _F	TYP.	MAX	I _R	MAX	V _R	F _c TYP.	λ _p TYP.	
FH1011	140	70	0.93	300	4	-30~+85	-30~+100	0.6	1.2	30	2	2.5	30	100	4	7	660	30
FH511	140	70	0.93	300	4	-30~+85	-30~+100	0.3	0.6	30	1.75	2.0	30	100	4	7	660	30
BN511	150	100	1.33	1000	4	-30~+85	-30~+100	0.4	0.8	20	1.2	1.5	20	10	4	1.8	925	50
DN511	150	100	1.33	1000	5	-30~+85	-30~+100	5	9	50	1.55	2	50	100	5	30	850	40
KR311	140	70	0.93	300	5	-30~+85	-30~+100	1	1.7	50	2.1	2.5	50	100	5	7	660	30
DN311	150	100	1.33	1000	5	-30~+85	-30~+100	1	3.5	50	1.55	2	50	100	5	30	850	40
Units	mW	mA	mA/°C	mA	V	°C	°C	mW/sr			mA	V	mA	μA	V	MHz	nm	

*I_{FM} condition: t_w ≤ 100 μs and duty ≤ 1/100 *F_c condition: I_F=50 mA DC + 10 mA p-p

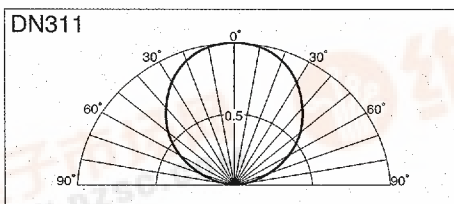
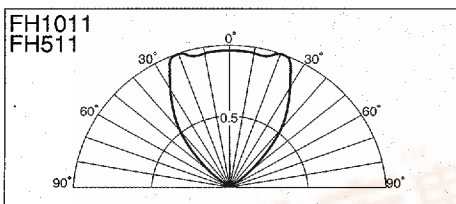
▼PHOTO DETECTOR · Phototransistor

Ta=25°C

Type No.	Absolute Maximum Ratings							Electro-Optical Characteristics										fig.		
	Collector Dissipation	Color Emitter Breakdown Voltage	Emitter-Collector Breakdown Voltage	Collector Current	Operating Temp.	Storage Temp.	Photo Current I _c				Response Time T _r , T _f			Dark Current I _{CEO}	Collector Saturation Voltage V _{CE}	Peak Sensitive Wavelength				
	P _c	V _{CEO}	V _{ECO}	I _c	T _{opr}	T _{stg}	MIN	TYP.	V _{CE}	E _e	TYP.	V _{CE}	t _c	R _L	MAX	V _{CEO}	TYP.		I _c	λ _p TYP.
PS5132	100	30	5	30	-30~+85	-30~+100	2.1	6.3	5	10	5	10	2	100	0.2	10	0.1	0.5	880	
Units	mW	V		mA	°C		mA				μsec			V	mA	Ω	μA	V	mA	nm

*A standard tungsten filament lamp with 2.856K is used for the color temperature.

▼SPATIAL DISTRIBUTION



▼PACKAGE DIMENSIONS Unit : mm

