

# PHOTO TRANSISTOR


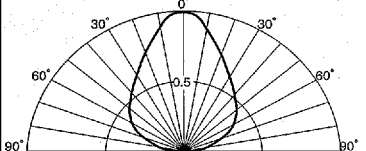

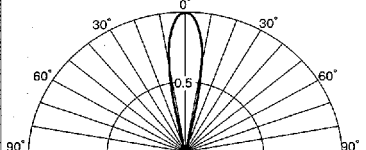

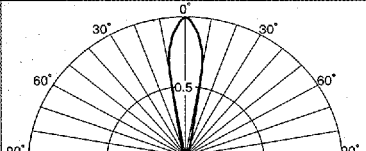

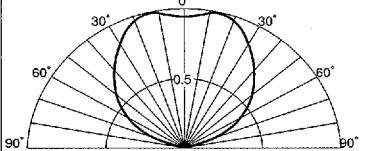

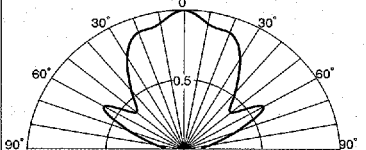

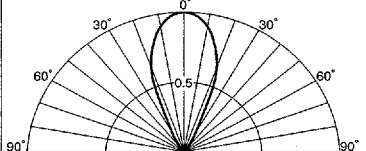

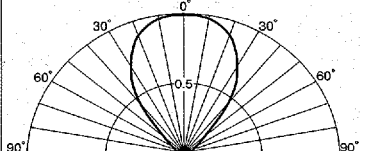

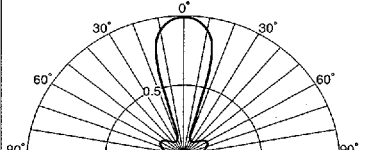
## ▼CHARACTERISTICS BY MATERIAL

Ta=25°C

Type No.		Absolute Maximum						Electro-Optical Characteristics						
		Collector Dissipation	Emitter-Collector Breakdown Voltage	Collector-Emitter Breakdown Voltage	Collector Current	Operating Temp.	Storage Temp.	Dark Current I <sub>CEO</sub>		Dark Current Tr-Tf				Peak Sensitive Wavelength
Type	P <sub>C</sub>	V <sub>CEO</sub>	V <sub>CE0</sub>	I <sub>C</sub>	T <sub>opr</sub>	T <sub>sig</sub>	MAX.	V <sub>CEP</sub>	TYP.	V <sub>CE</sub>	I <sub>C</sub>	R <sub>L</sub>	λ <sub>p</sub> TYP.	
PS	TO-18	150	30	5	50	-30~+125	-30~+150	0.2	10	5	10	2	100	880
	502	60			20	-30~+85	-30~+100							
		100			30									
Units	mW	V	V	mA	°C	°C	μA	V	μSEC	V	mA	Ω	nm	

## ▼CHARACTERISTICS BY SHAPE

Ta=25°C

Shape	Type No.	Features	Peak Sensitive Wavelength λ <sub>p</sub> TYP	Photo Current I <sub>C</sub>				Spatial Distribution (The typical distribution example of each shape is shown below)	fig.
				MIN	TYP	V <sub>CE</sub>	E <sub>e</sub>		
	PS2022	TO-18 can type, flat lens	880	0.1	2.5	5	1		20
	PS3022	φ 5 molded epoxy type, high-directivity lens	880	1.5	7	5	1		21
	PS3322	φ 3 molded epoxy type, high-directivity lens	880	1.2	3.6	5	1		22
	PS3072	φ 3 molded epoxy type	880	0.2	0.7	5	1		23
	PS4032	φ 3 molded epoxy type, flat lens	880	1.5	5	5	10		24
	PS5022	φ 1.7 axial-lead type	880	0.4	2	5	1		25
	PS5042	φ 3.6 side-view type	880	0.4	1.4	5	1		26
	PS5052	side-view type high-directivity	880	0.3	1.4	5	1		27
Units			nm		mA	V	mW/cm <sup>2</sup>		

# ▼CHARACTERISTICS BY SHAPE

Ta=25°C

Shape	Type No.	Features	Peak Sensitive Wavelength $\lambda_p$ TYP	Photo Current I <sub>c</sub>				Spatial Distribution The typical distribution example of each shape is shown below	fig.
				MIN.	TYP.	V <sub>CE</sub>	E <sub>a</sub>		
	PS1101W	Chip type	880	0.7	3.5	5	5		28
Units			nm	mA		V	mW/cm <sup>2</sup>		

## ▼PACKAGE DIMENSIONS Unit : mm

