# PHOTO TRANSISTOR

## **▼CHARACTERISTICS BY MATERIAL**

Ta=25℃

				Absolut	e Maximum					Electro	-Optical (	Character	istics	
Type No. Collector Breakdown Br Dissipation Voltage				Operating Temp.	Storage Dark Current Temp loco			Dark Current Tri Ti		Peak Sensitive Wavelength				
	Type	Po	VCEO	Vceo	lo	Topr	Tstg	MAX.	Voer	TYP.	Vce	Ic	RL	λp TYP.
	TO-18	150			50	−30~+125	−30~+150							
PS	502	60	30	5	20	00 05	00 400	0.2	10	5	10	2	100	880
		100			30	−30~+85	-30~+100							
Units		mW	V	V	mA	ొ	Č	μA	V	. µsec	V	mA	Ω	nm.

#### **▼CHARACTERISTICS BY SHAPE**

Ta=25°C

CTERIS	TICS BY SHAPE	-					Ta=25℃
Type No.	Features	Peak Sensitive Wavelength Jp TYP	MIN.	Photo I TYP	Current c Voe	Ee	Spatial Distribution (The typical distribution example of each shape is shown below)
PS2022	TO-18 can type, flat lens	880	0.1	2.5	5	1	90' 0.5 90' 20
PS3022	$\phi$ 5 molded epoxy type, high-directivity lens	880	1.5	7	5	1	90*
PS3322	φ3 molded epoxy type, high-directivity lens	880	1.2	3.6	5	1	90' 90' 22
P\$3072	φ 3 molded epoxy type	880	0.2	0.7	5	1	90' 0.5 90' 23
PS4032	$\phi$ 3 molded epoxy type, flat lens	880	1.5	5	5	10	90' 90' 24
PS5022	φ 1.7 axial-lead type	880	0.4	2	5	1	90"
PS5042	φ 3.6 side-view type	880	0.4	1.4	5	1	90" 26
P\$5052	side-view type high-directivity	880	0.3	1.4	5	1	90' 90' 27
	PS2022 PS3022 PS3072 PS4032 PS5022	PS2022 TO-18 can type, flat lens  PS3022 \$\phi 5\$ molded epoxy type, high-directivity lens  PS3322 \$\phi 3\$ molded epoxy type, high-directivity lens  PS3072 \$\phi 3\$ molded epoxy type  PS4032 \$\phi 3\$ molded epoxy type, flat lens  PS5022 \$\phi 1.7\$ axial-lead type  PS5042 \$\phi 3.6\$ side-view type	PS2022         TO-18 can type, flat lens         880           PS3022         φ 5 molded epoxy type, high-directivity lens         880           PS3322         φ 3 molded epoxy type, high-directivity lens         880           PS3072         φ 3 molded epoxy type         880           PS4032         φ 3 molded epoxy type         880           PS4032         φ 3 molded epoxy type, flat lens         880           PS5042         φ 1.7 axial-lead type         880           PS5042         φ 3.6 side-view type         880	Type No         Features         Psak Sensible Wavelength Ap TYP         MIN           PS2022         TO-18 can type, flat lens         880         0.1           PS3022	Type No         Features         Pack Spricitive Wave largith 4p. Ty/F         Photo Wave largith 4p. Ty/	Pack Sensilive Wavelength   Photo Current   Features   Photo Current   Features   Pack Sensilive Wavelength   Photo Current   Features   Pack Sensilive Wavelength   Pa	Type No         Features         Pask Sending Wavelength In D. TVP. MIN.         Photo Current Ide No.         Processor         Photo Current Ide No.         Processor         Processor         Photo Current Ide No.         Processor         Processor



## **▼CHARACTERISTICS BY SHAPE**

Ta=25°C

Shape	Type No.	Feat	ures	Peak Sensitive Wavelength Jp: TYP			Current to Vce	Ee	Spatial Di (The typical distri each shape is s	oution example of fig
	PS1101W	Chip type		880	0.7	3.5	5	5	30'	5 60° 28

## **▼PACKAGE DIMENSIONS** Unit: mm

















