Pickup Photodetectors for CD Players and Video Disc Players

We are manufacturing 6-partitionphotodiodes for 3 beams (PD663PS, PD666PS) for used as Photodetectors for pickups of CD players and video disc players, A list of approximate specifications 'is given below

Model No.	Features	Characteristics			Outline
		Sensitivity	Dark current	Peak sensitivity wavelength	dimensions
PD663PS	•For 3 beams (6-partition photodiode)	MIN 0,45A/W	1AX 0.2nA		
	 High sensitivity 	λ/=780nm	V _B =15V)	TYP 840nm	Fig,
	. Transparent transfer molded package	Application: A, B	Application:B	(Application:A,B)	104-1
	with flat pins				
PD666PS	•For 3 beams (6-partition photodiode)	MIN 0,45A/W	1AX 0,2 nA		_
	 High sensitivity 	$(\lambda = 780 \text{nm})$	V _R =15V)	TYP 840nm	Fig.
	 Transparent transfer molded package 	Application: A, B	Application: B	(Application:A,B)	105-1
	with flat pins				

A: Light detector for tracking ;B:Light detector for focusing and RF signal

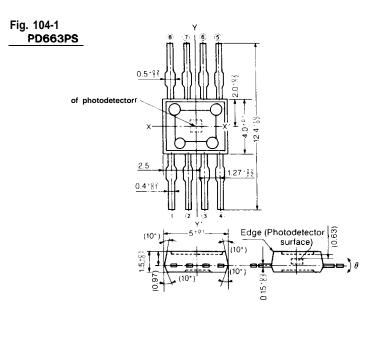
OPIC* Light Detetor for Laser Beam Printers

We are also manufacturing high speed response type OPIC light detector for possible positional deviation of the laser spot of laser beam printer

Modal No .	Features	Charac ristics		Outline
		H to L threshold incident light intensity	Propagation time	limensions
1S456	•High speed response	TYP.100μW (Ro=5.1kΩ)	$t_{\text{PHL}}:MAX.400ns$ $t_{\text{PLH}}:MAX.400ns$ $\begin{pmatrix}C_{\text{L}}=15_{\text{P}}\text{F}\\R_{\text{O}}=5.1\text{k}\Omega\\R_{\text{L}}=510\Omega\end{pmatrix}$	Fig, 105-2
	(t _{PHL} : TYP. 230ns.)			
	. Light detection pattern to allow for			
	possible positional deviation of the			
	laser spot			
	. Compact and mini-flat package			

*OPIC:OPIC is a trademark of Sharp and stands for OpticalIC.

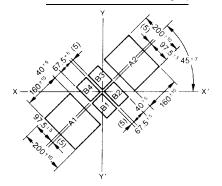
It has a light detecting element and signal processing circuitry integrated onto a single chip.



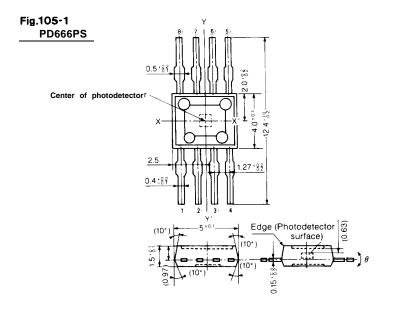
Internal Wiring



Enlargement of Photodetector (µm)



Outline Dimensions

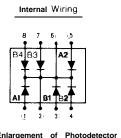


0 1 -

 $5^{+0.3}_{-0.3}$

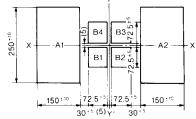
Ö.

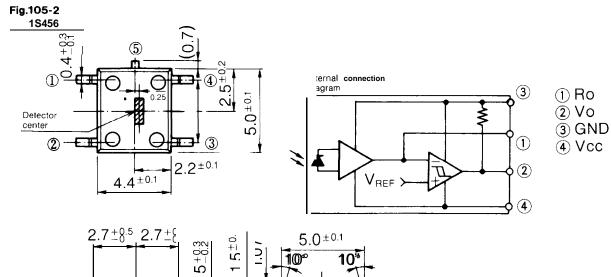
 $0.8\substack{+0.2\\-0.4}$



Unit: mm X

Enlargement of Photodetector





¹0°

10