

SSO-DP-3.22-6 TO5



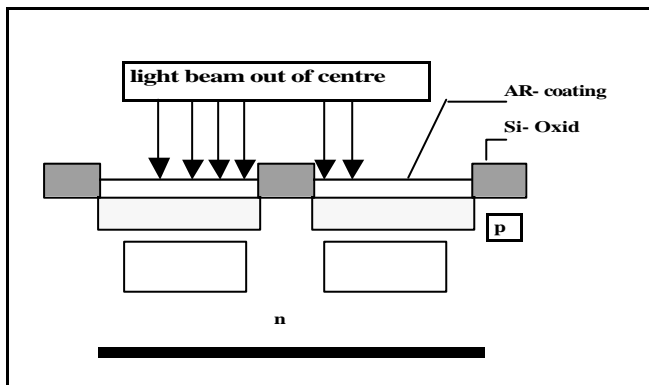
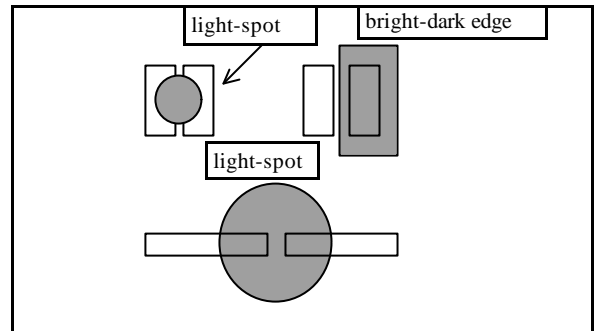
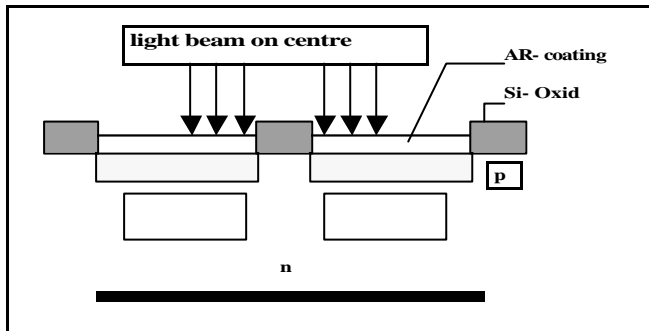
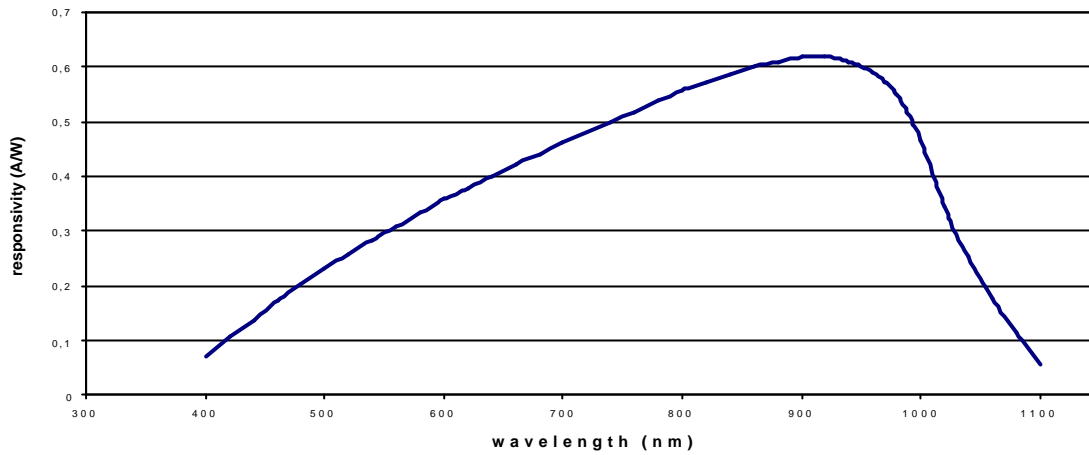
Differential Photodiode

Special characteristics:

- 2 active areas
- single axis position sensing
- small separation gap between active areas
- exact measurement of brightness, edges, distances and angles

Parameters:		Package 3 (TO5) :
	SSO-DP-3.22-6 TO5	<p>Katode / Gehäuse Cathode / Case</p> <p>Anode 1</p> <p>Anode 2</p>
Active area	0,7 x 2,3 mm each	<p>Window \varnothing 5,9</p> <p>50-5E</p> <p>16</p> <p>50-2E</p> <p>\varnothing 5,1</p> <p>\varnothing 0,2</p> <p>\varnothing 0,45</p> <p>\varnothing 5,08</p>
Separation gap	50 μ m (oxid)	<p>Detail A</p> <p>1</p> <p>2</p> <p>3</p> <p>10x1</p>
dark current at 10V	max 10 nA typ. 0,3 nA	<p>Detail A</p> <p>Chip, SSO-DP-322-6 active area 322 mm²</p> <p>10,8</p> <p>12,8</p> <p>45°</p>
Spectral responsivity at 633 nm	typ. 0,45 A/W	<p>Abmessungen in mm all dimensions in mm</p>
Capacitance at 20V	15 pF	
Rise time at 20V, 850nm, 50 Ω	20 ns	
Uniformity of sensitivity	min. \pm 2 % typ. \pm 1 %	

Spectral responsivity



Handling precautions:

- Soldering temperature 260°C for max. 10 s. The device must be protected against solder flux vapour!
- min. Pin – length 2mm
- ESD – protection
- Only small danger for the device. Standard precautionary measures are sufficient.
- Avoid touching the window with fingers!
- Careful cleaning with Ethyl alcohol possible.
- Avoid use of pointed and scratching tools!
- Storage: Store devices in conductive foam