

PS0.25-5 TO52S1

PIN Photodiode

Special characteristics:

High Speed epitaxy
Low Dark current
0,25 mm² active area

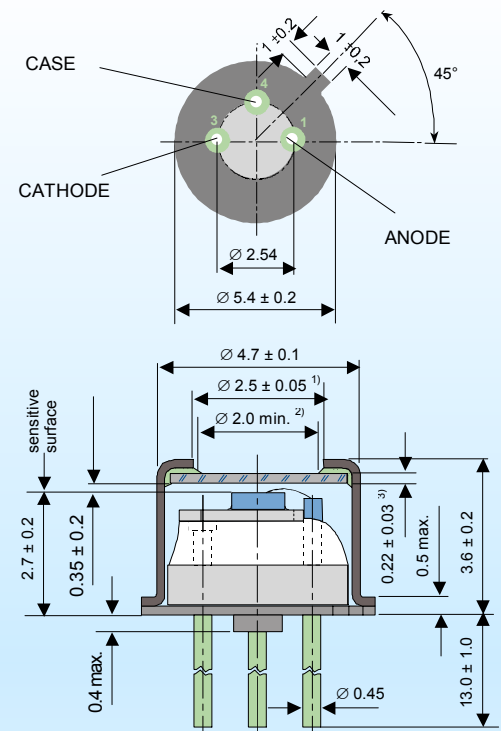


Parameters:	PS0.25-5 Ch
Active Area	0.5 x 0.5 mm 0,25 mm ²
Dark Current at 20 V	max. 4.0 nA typ. 0.5 nA
Total Capacitance at 20 V	typ. 1.8 pF
Spectral Responsivity at 800 nm	min. 0.4 A/W typ. 0.5 A/W
Shunt Resistance at 10 mV	typ. 200 MΩ
Cut-off Frequency ¹⁾ (-3dB)	typ. 0.9 GHz
Rise Time ¹⁾ at 20 V	typ. 0.4 ns
N.E.P. at 0 V at 20 V	typ. 2* 10 ⁻¹⁵ W/Hz ^{1/2} typ. 6* 10 ⁻¹⁵ W/Hz ^{1/2}
Operating temperature	-20 + 70 °C
Storage temperature	-25 +100 °C

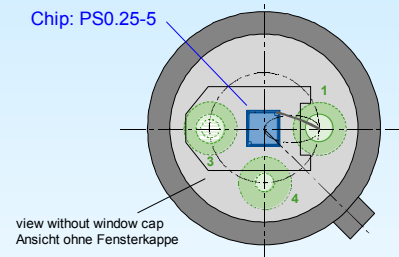
1) measurement conditions:

$\lambda = 860 \text{ nm}$
 $R_L = 50 \Omega$
 $U_R = 20 \text{ V}$

Package 1 (TO52):



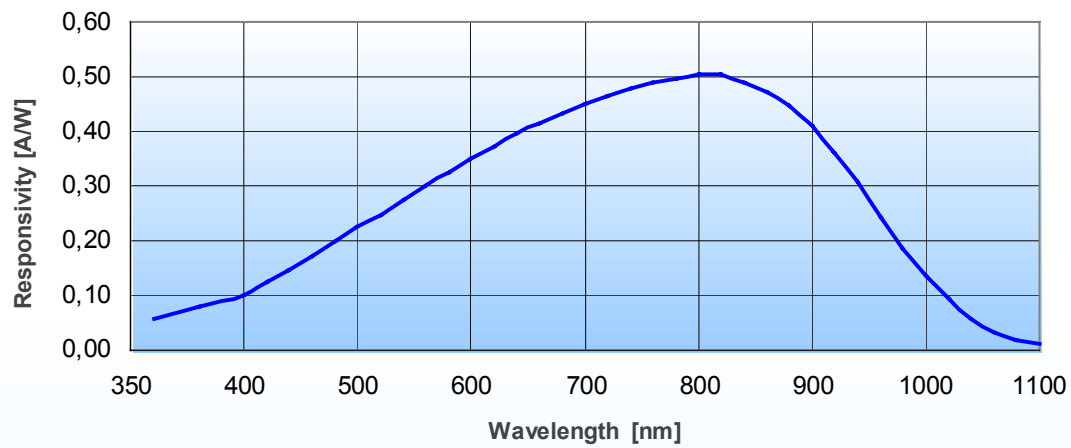
Chip: PS0.25-5



view without window cap
Ansicht ohne Fensterkappe

- 1): $\varnothing 3.0 \pm 0.05$
- 2): $\varnothing 2.2 \text{ min.}$
- 3): 0.25 ± 0.05

Spectral responsivity (A/W)



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