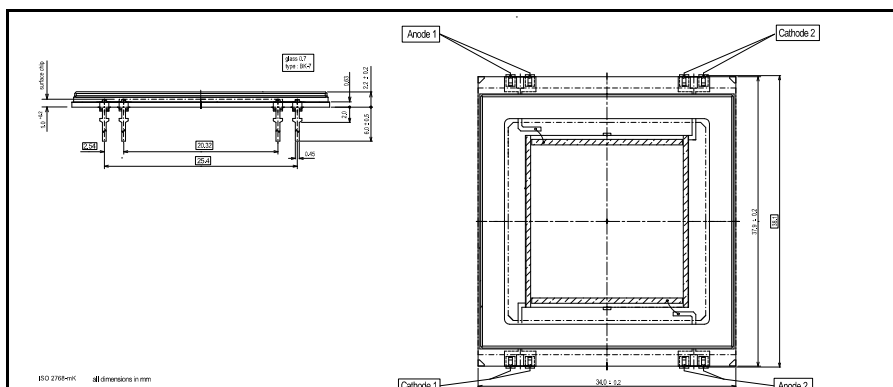




RoHS

- ### Description

Application

- 2011/65/EU

2011/65/EU

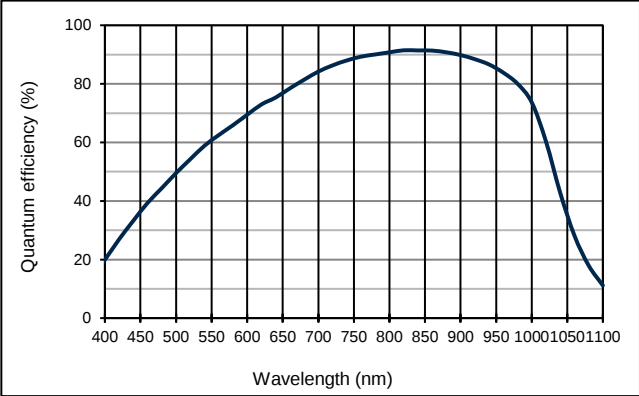
Spectral response (23 °C)

The graph plots Responsivity (A/W) on the y-axis against Wavelength (nm) on the x-axis. The y-axis ranges from 0.00 to 0.70 with major grid lines every 0.10. The x-axis ranges from 400 to 1100 nm with major grid lines every 50 nm. The curve starts at approximately 0.05 A/W at 400 nm, rises steadily to a peak of about 0.65 A/W at 950 nm, and then falls sharply to about 0.10 A/W at 1100 nm.

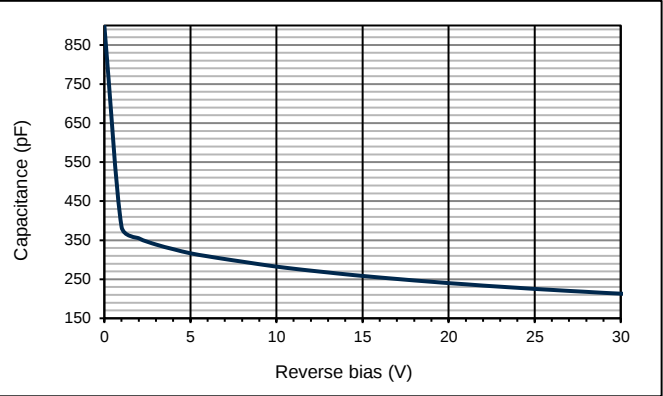
Wavelength (nm)	Responsivity (A/W)
400	0.05
450	0.10
500	0.15
550	0.20
600	0.25
650	0.30
700	0.35
750	0.40
800	0.45
850	0.50
900	0.55
950	0.65
1000	0.60
1050	0.30
1100	0.10

Symbol	Characteristic	Test Condition	Min	Typ	Max	Unit
	Active area		20 x 20			mm
	Active area		400			mm ²
I _D	Dark current	V _R = 10 V		800	2.000	nA
C	Capacitance	V _R = 0 V		1.000		pF
		V _R = 10 V		300		pF
	Responsivity	λ = 633 nm		0.4		A/W
		λ = 850 nm		0.62		A/W
t _R	Rise time	V _R = 10 V; λ = 865 nm; R _L = 50 Ω		4000		ns
	Interelectrode Resistance	E = 0 lx		12		kΩ
	Noise lim. resolution	λ = 632 nm; P = 0.5 μW, spot dia. 0.5 mm		0.3		μm
	Position detection error	λ = 632 nm; P = 0.5 μW, spot dia. 0.5 mm		± 1		%
V _{BR}	Breakdown voltage	I _R = 2 μA		100		V

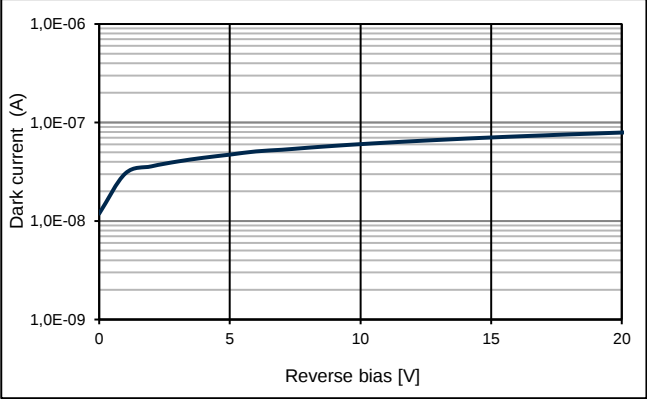
Quantum efficiency (23 °C)



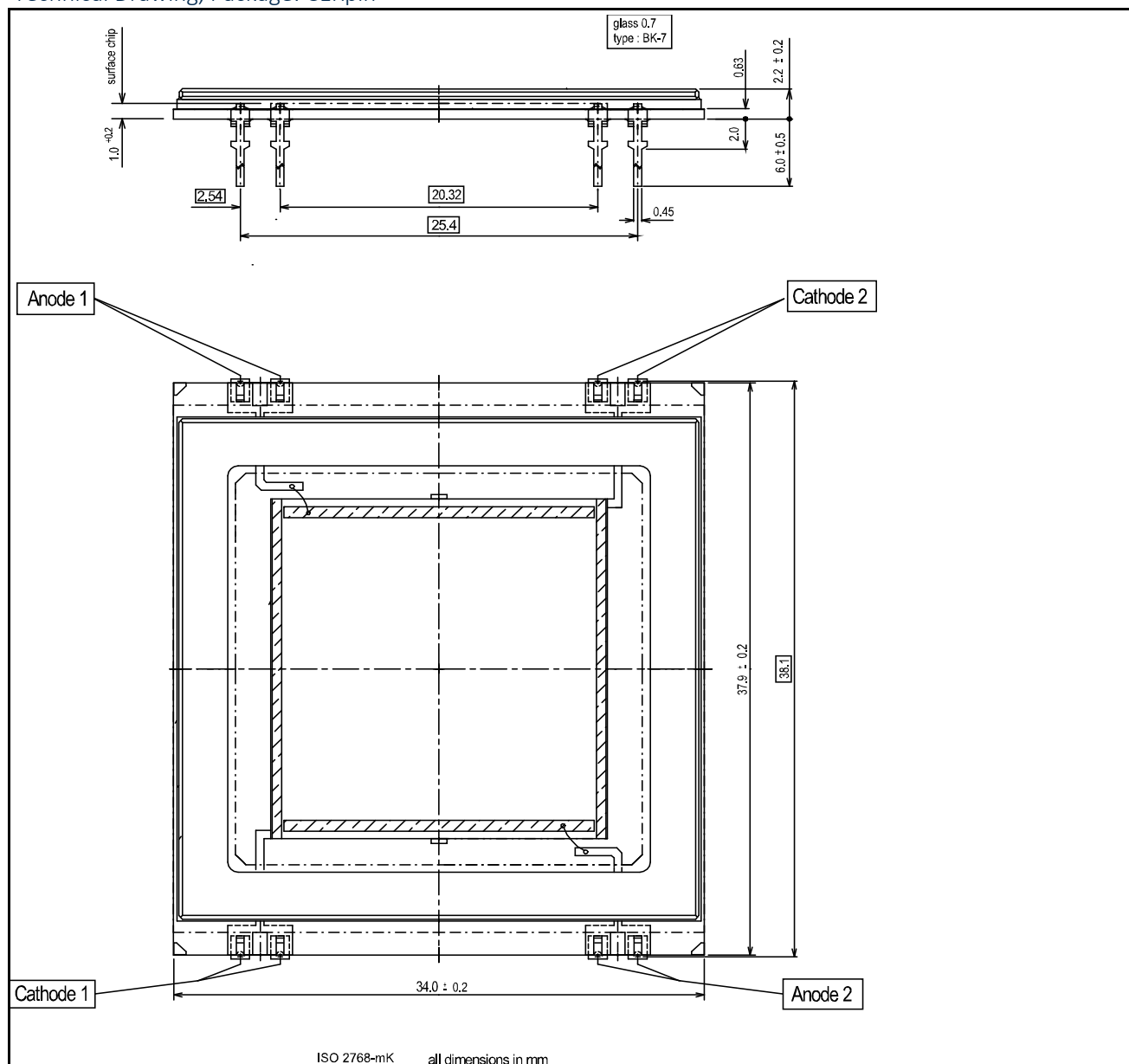
Capacitance as fct of reverse bias (23 °C)



Dark current as fct of bias (23 °C)



Technical Drawing, Package: CERpin



Package dimension:

Small quantities: Foam pad, boxed (12 cm x 16.5 cm)

Handling:

Please refer to document "Instructions for handling and processing"

Disclaimer: Due to our strive for continuous improvement, specifications are subject to change within our PCN policy according to JESD46C.

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