

1A203H OECA-ST100

Description

The 1A203H OECA-ST100 is a Si PIN photodiode in a ST-receptacle. The assembled photodiode is electrical isolated from the ST-receptacle (maximum voltage 20V) to protect the diode against ESD-damaging.

Applications

- General applications

Features

- Wavelength $\lambda = 850\text{nm}$
- Low dark current, $<10\text{nA}$ at 20V



Device can differ from picture.
For details and pin out please refer to the drawing.

Absolute Maximum Ratings

Parameter	Symbol	min.	max.	Unit
Reverse Voltage	V_R		50	V
Operating Temperature	$T_{OP} = T_C$	-40	+85	$^{\circ}\text{C}$
Storage Temperature	Tstg	-40	+85	$^{\circ}\text{C}$
Soldering Temperature / Soldering Time	Tsold / tsold		260/10	$^{\circ}\text{C/s}$

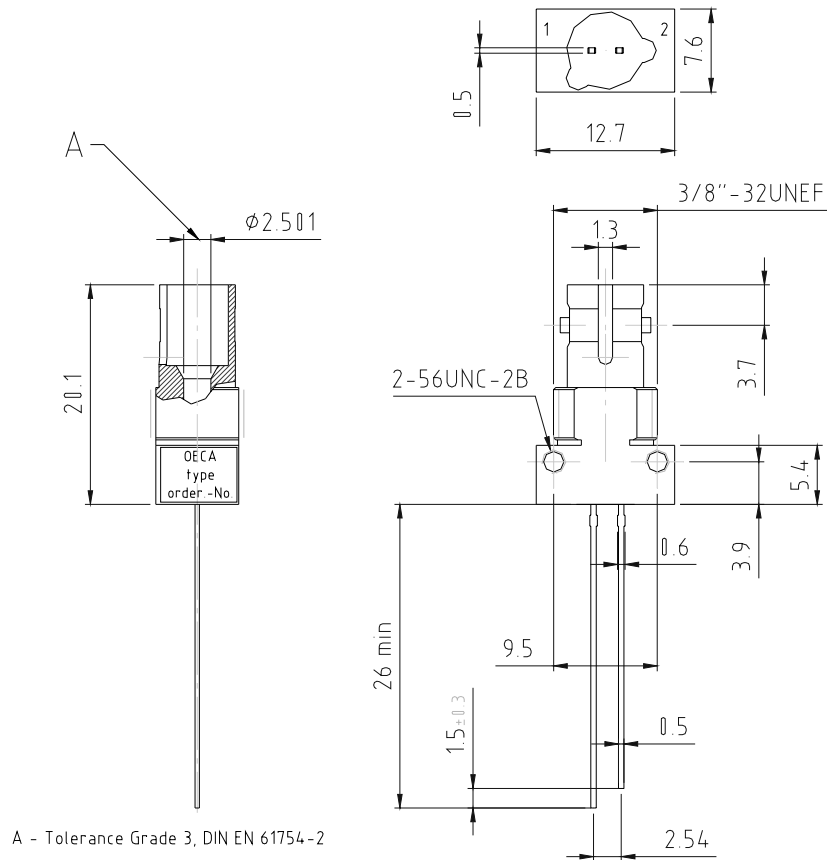
Optical and Electrical Characteristics

($T_C = 25^{\circ}\text{C} \pm 2^{\circ}\text{C}$)

Parameter	Symbol	Condition	min.	typ.	max.	Unit
Dark Current	I_d	$V_R = 20\text{V}$			10	nA
Responsivity	R	$V_R = 5\text{V}$ $\lambda = 850\text{nm}$ Note 1	0.5	0.62		A/W
Rise and Fall Time of Photo Current	t_r, t_f	$V_R = 20\text{V}$ $R_L = 50\Omega$		5		ns
Capacitance	C	$V_R = 5\text{V}$			4	pF

Note 1: Fiber 62.5/125 μm , Graded Index

Drawing

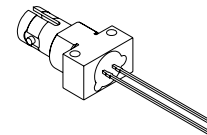


A - Tolerance Grade 3, DIN EN 61754-2

Tolerances acc. to DIN ISO 2768mH, unless otherwise stated

Pinout according to specification

Accessories: dust cover
nut 3/8''-32UNEF
washer 3/8''
2x screw 2-56UNC



All Dimensions in mm.

Pin-Out

Pin	1A203H
1	Anode (+)
2	Cathode (-)

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