

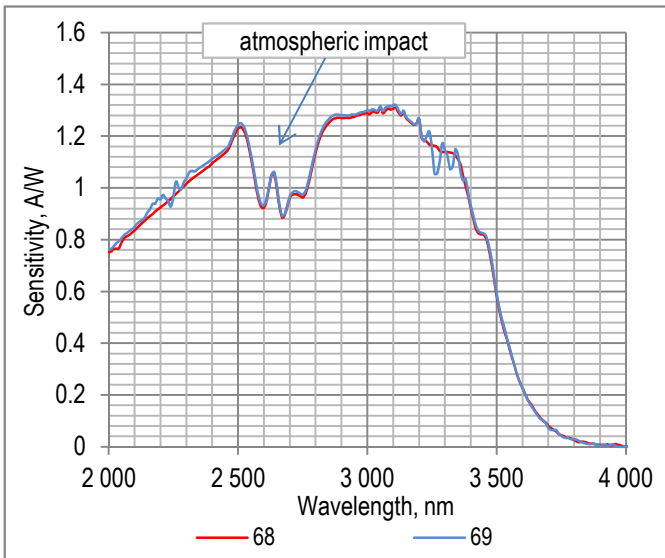
Photodiode Lms36PD-03 #68-69

Lot Number K-2097-#98,99

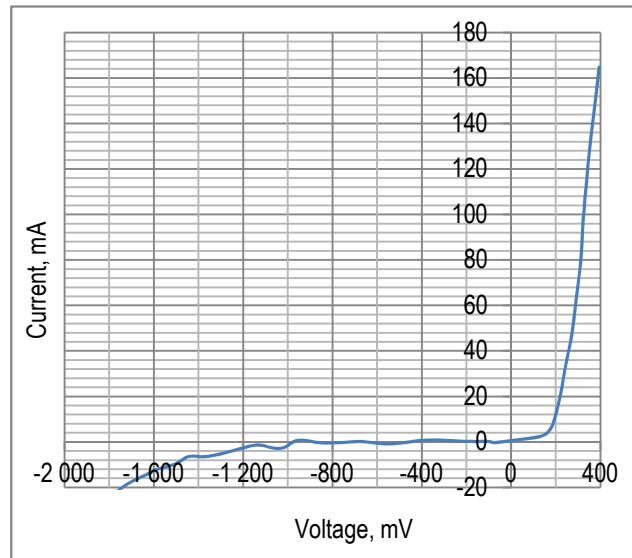
All parameters refer to photodiode operation at ambient temperature 25°C unless otherwise stated.			
TOTAL DEVICE	Symbol	Value	Units
Photodiode package	TO-18 with a cap without a glass window		
Sensitive area size	d	0.3	mm
Storage temperature	T _{stg}	-60 ... +90	°C
Operating temperature	T _{opr}	-60 ... +90	°C
Soldering temperature (can be applied for not more than 5 secs)	T _{sol}	+180	°C
PHOTODIODE			
Cut-off wavelength (at 10% level)	λ_{cut}	3.7-3.8	μm
Maximum sensitivity wavelength (at 80% level)	λ_p	2.45-3.30	μm

Parameter	Symbol	Units	Value	
Serial number			68	69
Shunt resistance (V _r =10 mV) (at 24 °C)	R _{sh}	k Ω	0.30	0.26
Dark current (V _r =0.1 V) (at 24 °C)	I _d	μA	289	375
Detectivity (λ =3.3 μm) (at 24 °C)	D*	$\text{cm}\cdot\text{Hz}^{1/2}\cdot\text{W}^{-1}$	4.3E+09	4.1E+09
Noise equivalent power* (λ =3.3 μm) (at 24 °C)	NEP	$\text{W}/\text{Hz}^{1/2}$	6.5E-12	6.9E-12

Spectral response



Typical Current Voltage characteristics



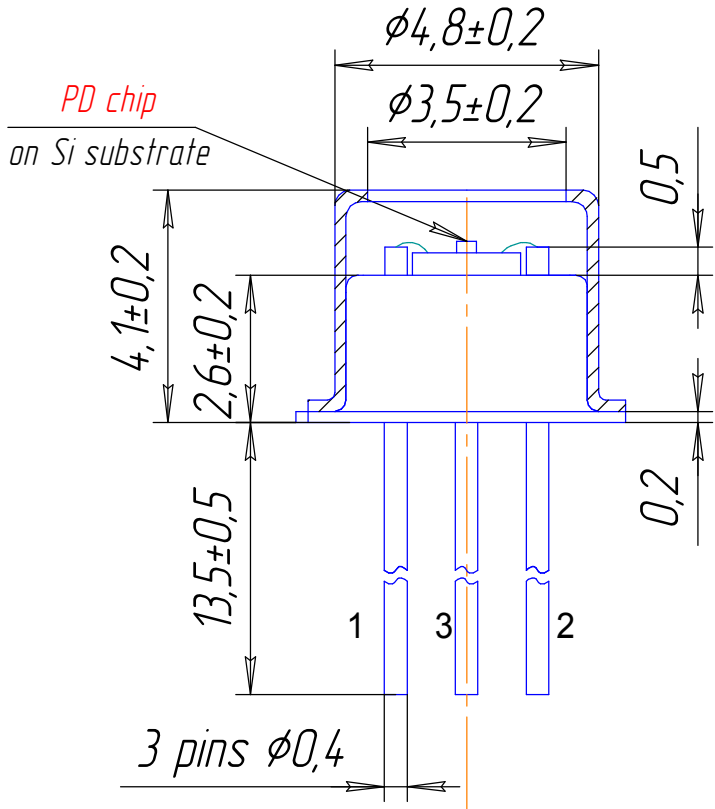
We recommend using **photovoltaic mode**, when PD is used under no reverse bias.
Use photoconductive mode (mode with reverse bias) with caution.

- Important cautions:**
- check your connection circuit before turning on the PD;
 - mind the PD polarity: PD anode is marked with a RED dot;
 - do not connect the PD to the multimeter;

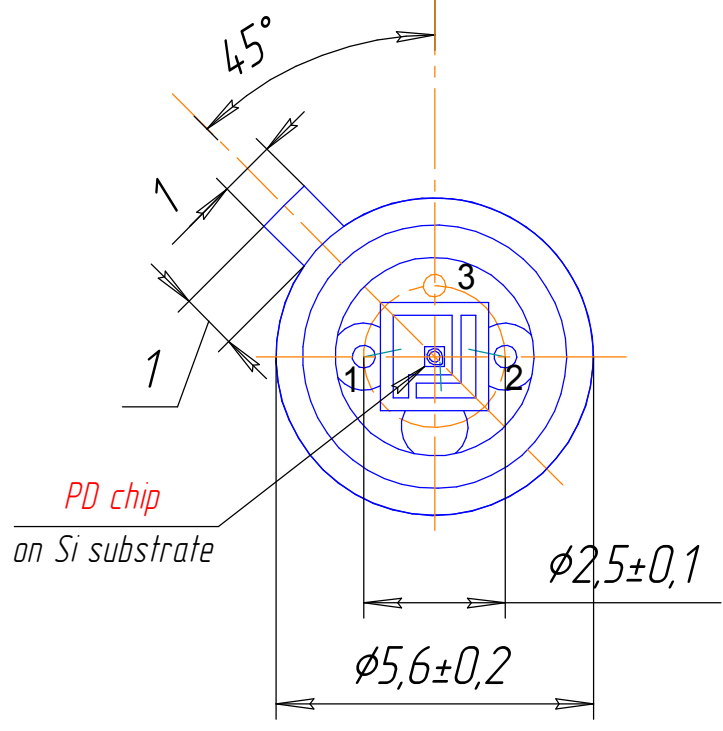


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TOP VIEW



- 1 - PD cathode
- 2 - PD anode
- 3 - ground pin

