

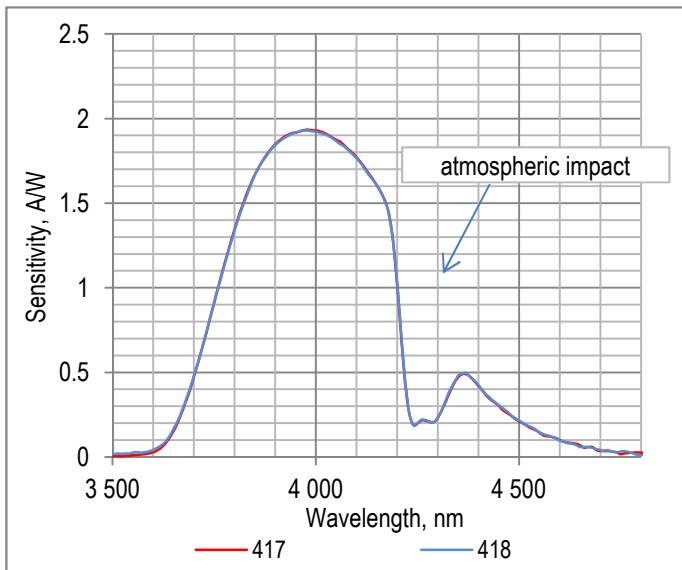
Photodiode Lms43PD-03 #417-418

Lot Number C4-78-#5,6

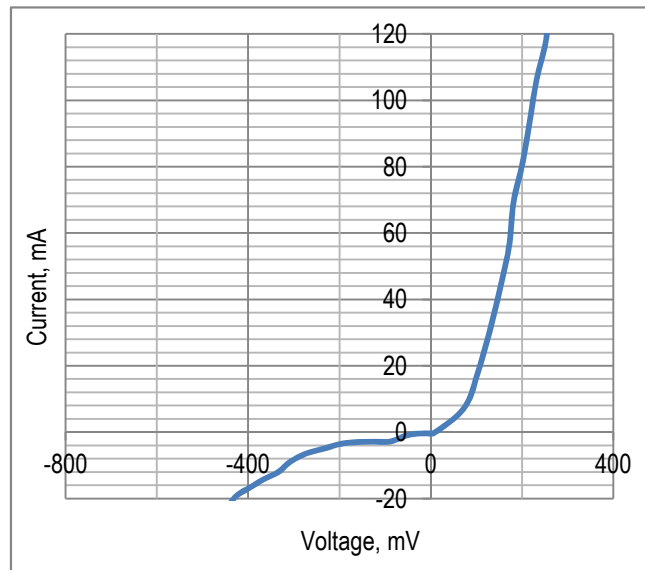
All parameters refer to photodiode operation at ambient temperature 25°C unless otherwise stated.			
TOTAL DEVICE	Symbol	Value	Units
Photodiode package	TO-18 with a cap without a glass window		
Sensitive area size	d	0.3	mm
Storage temperature	T _{stg}	-60 ... +90	°C
Operating temperature	T _{opr}	-60 ... +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}	4.6-4.7	μm
Maximum sensitivity wavelength (at 80% level)	λ _p	3.8-4.2	μm

Parameter	Symbol	Units	Value	
Serial number			417	418
Shunt resistance (V _r =10 mV) (at 25 °C)	R _{sh}	Ω	21.3	20.4
Dark current (V _r =0.1 V) (at 25 °C)	I _d	mA	2.3	2.5
Detectivity (λ=4.1 μm) (at 25 °C)	D*	cm·Hz ^{1/2} ·W ⁻¹	1.96E+09	1.91E+09
Noise equivalent power* (λ=4.1 μm) (at 25 °C)	NEP	W/Hz ^{1/2}	1.6E-11	1.6E-11

Spectral response



Typical Current Voltage characteristics



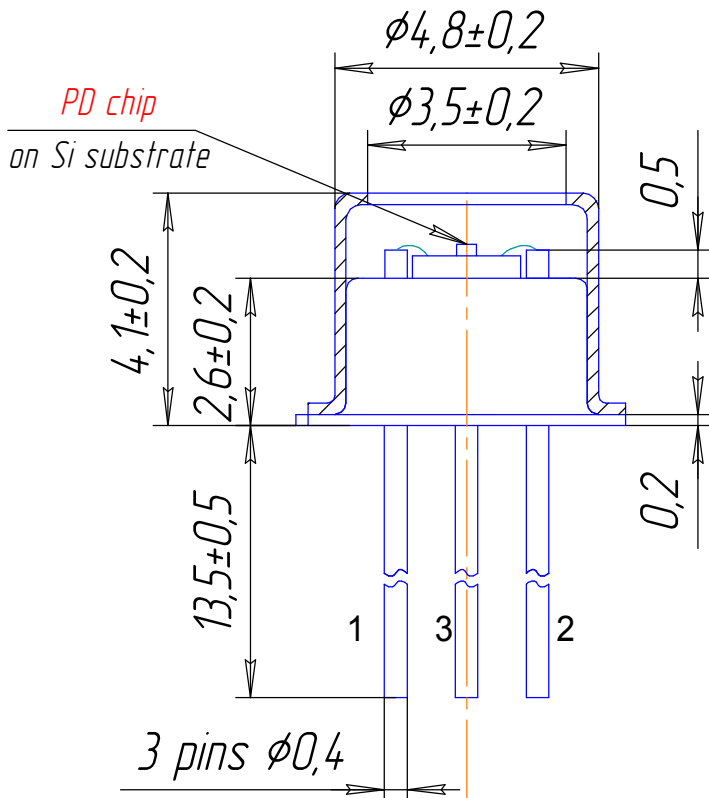
We recommend using **photovoltaic mode**, when PD is used under no reverse bias.
Use photoconductive mode (mode with reverse bias) with caution.

- 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;

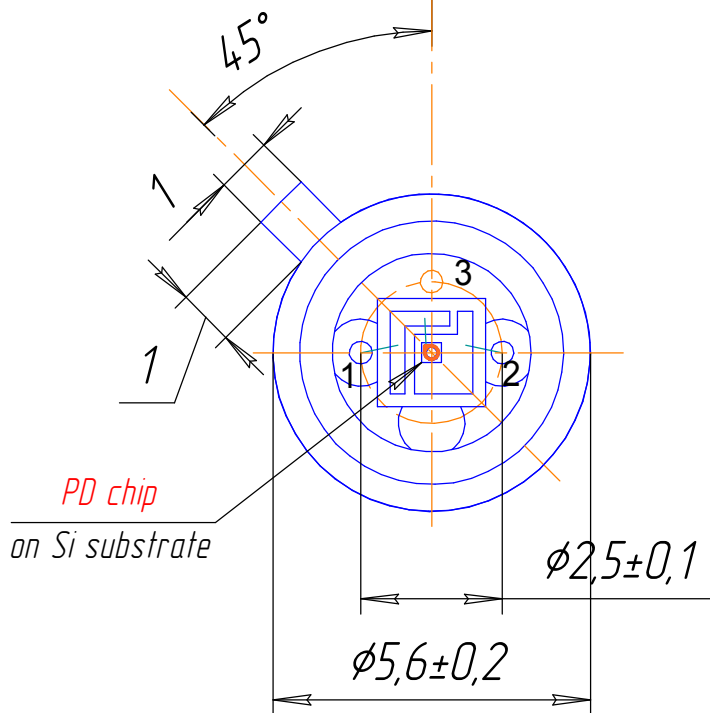


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TOP VIEW



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

