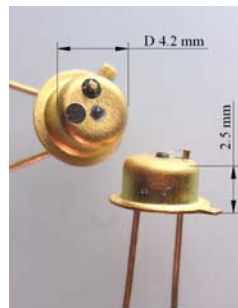


Photodiodes			PD40fsi
Peak wavelength	λ	μm	4.0
Cutoff wavelength (10 %)	λ_{co}	μm	4.5÷4.55
Spectral width	FWHM	μm	1.0÷1.1
Detectivity	$D^*_{\lambda_{\text{max}}}$	$\text{cmHz}^{1/2}\text{W}^{-1}$	$\geq 2 \times 10^9$
Current sensitivity	S_I	A/W	≥ 1.1
Voltage sensitivity	S_U	V/W	≥ 44
Resistance at zero bias	R_0	Ohm	≥ 40
Temperature shift of the spectral sensitivity	$d\lambda_{\text{max}}/dT$	$\text{nm}/^\circ\text{C}$	2.5

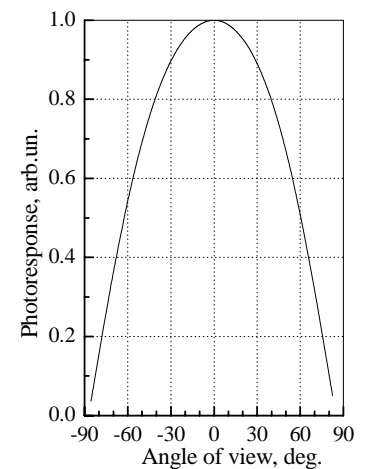
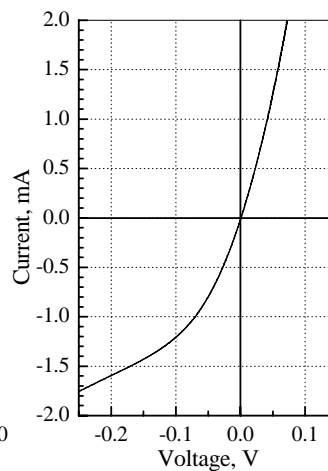
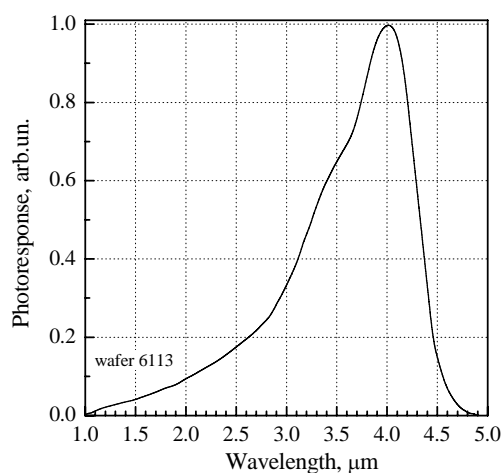
House

House code	Sensitive area	Angle of view FWHM	Operation / storage conditions	Polarity
	μm	deg.	$^\circ\text{C}$	
TO-18	400×400	140	-25÷+60	short leg or key is negative

Package photo



Spectral sensitivity, current-voltage curve and angle of view



PD could be equipped with preamplifier. Preamplifier has been designed for conversion of PD photocurrent into a convenient output voltage. Normally each preamplifier is adjusted for the particular PD and specifications issued by a customer (e.g. taking into account the R_0 value and frequency range).