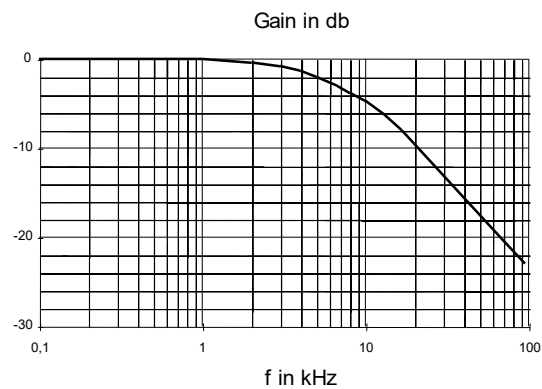
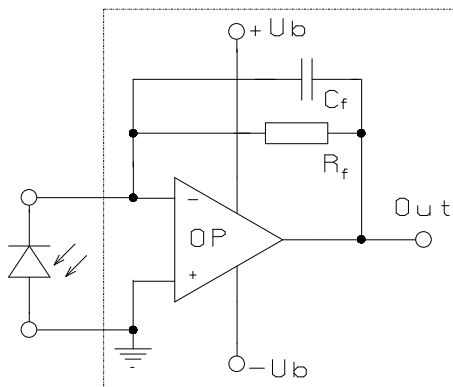


Technical Data :

Parameter	Test condition	TO5	TO18	TO52	Unit
active area		0,365 x 0,365			mm ²
spectral range	λ_{max} λ_{min} $S = 0,1 \times S_{max}$		210 390		nm nm
wavelength of peak response			290		nm
peak response S_{max}	$\lambda = 290 \text{ nm}$		0,18		A/W
spectral response S_{254nm}	$\lambda = 254 \text{ nm}$		0,12		A/W
dark current I_R	$V_R = 1 \text{ V}$		10		fA
junction capacitance C_j	$f = 10 \text{ kHz}$		30		pF
field of view (FOV)	Anode isolated	±48	±26	±40	degree
	Cathode isolated	±51	±27	±43	
	Both isolated	±52	±29	±46	
weight		0,8	0,3	0,3	gram
package drawing	Anode isolated	TO5	TO18	TO52	
	Cathode isolated	TO5	TO18	TO52	
	Both isolated	TO5 iso.	TO18 iso.	TO52 iso.	

test conditions, as not otherwise specified: $T_A = 25 \text{ }^\circ\text{C}$, $V_R = 0 \text{ V}$

Application Example

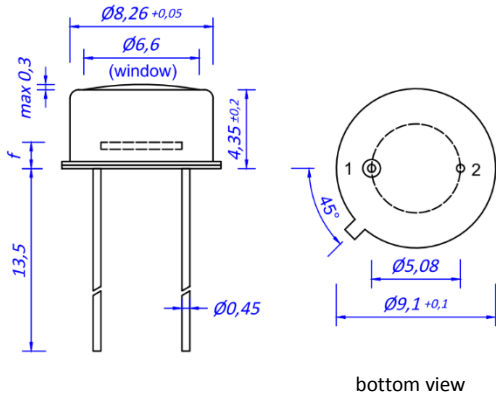


The application example shows a typical circuit R_f is responsible for the gain of the circuit C_f compensates the reverse junction capacitance of the photodiode and the input capacitance of the opamp. The exact value of C_f depends on R_f , used opamp and capacitance of the circuit. A typical value is 1pF.

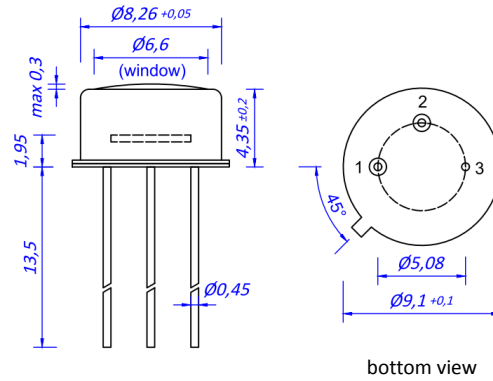
The chart shows dependence of amplitude of the application circuit with opamp = AD795, $R_f = 10 \text{ M}\Omega$ and $C_f = 1\text{pF}$.

Case Dimensions:

TO5



TO5 isolated

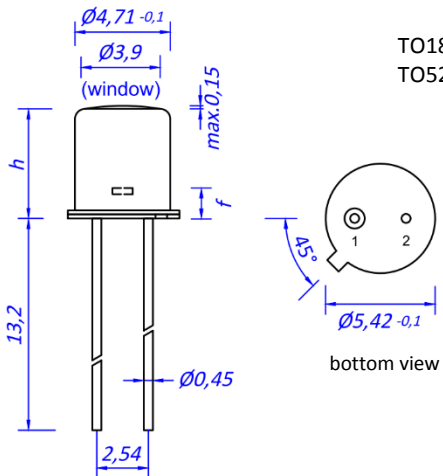


JEA0,1X: Pin 1: Anode
Pin 2: Cathode + Case
f = 1,6 mm

JEA0,1XI: Pin 1: Anode
Pin 2: Cathode
Pin 3: Case

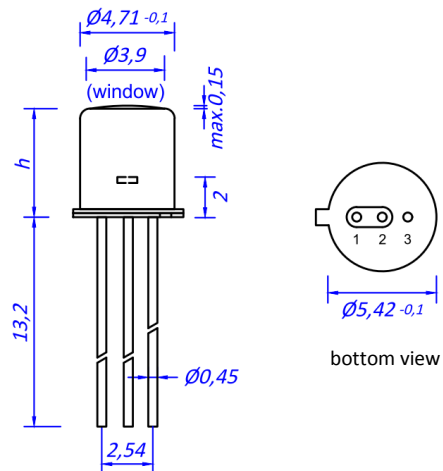
JEAC0,1X: Pin 1: Cathode
Pin 2: Anode + Case
f = 1,85 mm

TO18 / TO52



TO18: h = 5,2 mm ± 0,1 mm
TO52: h = 3,7 mm ± 0,1 mm

TO18 / TO52 isolated



JEA0,1S/SS: Pin 1: Anode
Pin 2: Cathode + Case
f = 1,5 mm

JEA0,1XISZ/ISSZ: Pin 1: Anode
Pin 2: Cathode
Pin 3: Case

JEAC0,1X-S/SS: Pin 1: Cathode
Pin 2: Anode + Case
f = 1,75 mm