



UV-Photodiode JEP 5-365

- preliminary data sheet -

- characteristics :**
- ◆ GaP-Photodiode with integrated filter
 - ◆ spectral range (1% borders) 250 ... 400 nm
 - ◆ active area 4,8 mm²

- applications :**
- ◆ flame detection
 - ◆ UV-measurements

absolute maximum ratings:

reverse voltage	5	V
operating temperature range	- 10...+ 70	°C
storage temperature range	- 25...+ 100	°C
welding temperature (3s)	260	°C

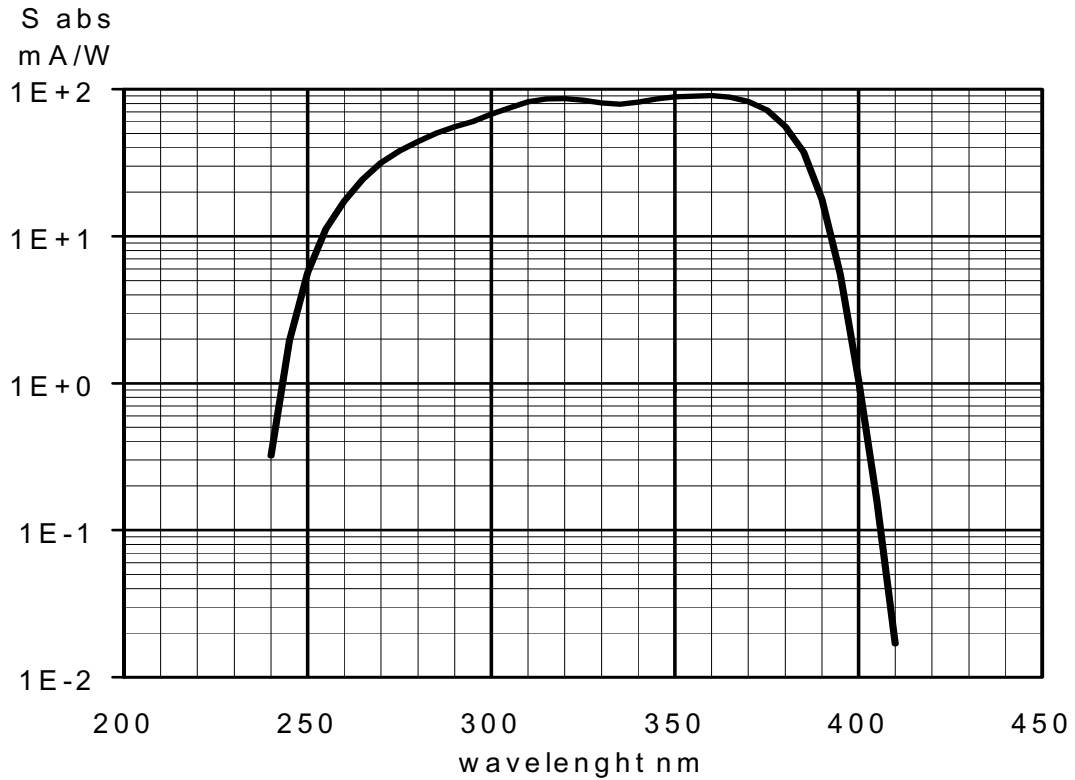
technical data :

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

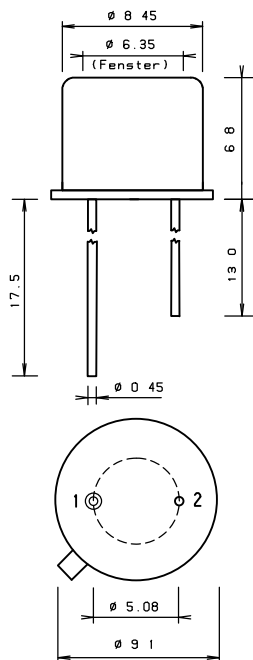
parameter	test conditions	min.	typ.	max.	unit
active area			4,8		mm ²
spectral range	$S = 0,1 \cdot S_{max}$		250 400		nm
			λ_{min}		
			λ_{max}		
maximum of spectral responsivity λ_p	$S = S_{max}$		365		nm
absolute spectral responsivity	$\lambda = \lambda_p$		75		mA/W
dark current I_D	$V_R = 5 \text{ V}$		10	50	pA
rise time	$R_L = 1 \text{ k}\Omega$		5		μs
fall time	$\lambda = 365 \text{ nm}$				
of photo current					
capacitance	$f = 10 \text{ kHz}$		500		pF

rev 0 (03/2008)

absolute spectral responsivity



package dimensions



1 Anode
2 Katode & Case

application

