

Preliminary data

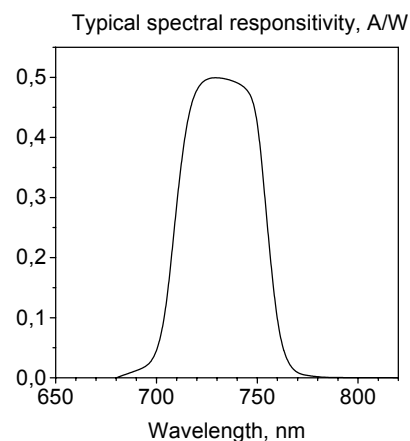
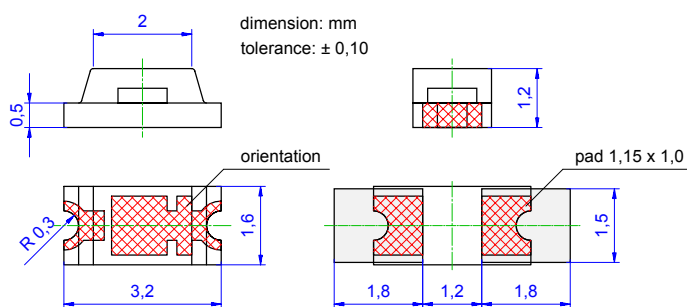
Radiation	Type	Technology	Case
Infrared	Flat, water clear	AlGaAs/GaAs	SMD, 1206

Description

Narrow bandwidth and high spectral sensitivity in the infrared range (795...870 nm), low cost large active area chip based on AlGaAs/GaAs

Applications

Alarm systems, light barriers, special sensors



Typical data at room temperature

Parameter	Units	Symbol	EPD-740-0/0.5	EPD-740-0/0.9
Chip sizes	mm		0.46 x 0.46	0.86 x 0.86
Active area	mm ²	A	0.13	0.6
Typ. dark current at V _R = 5 V	pA	I _D	40	40
Package			1206	1206
Spectral range at 0,1 maximum	nm	$\lambda_{\min}-\lambda_{\max}$	660...800	
0,5 maximum			700...780	
Spectral bandwidth at 50%	nm	$\Delta\lambda_{0,5}$	60	
Peak sensitivity wavelength	nm	λ_p	740	
Typical responsivity at λ_p	A/W	S _{λ}	0.5	
Maximal reverse voltage at I _R =100 μ A	V	V _R	10	
Operating temperature range	°C	T _{amb}	-40 to +125	
Storage temperature range	°C	T _{stg}	-40 to +125	