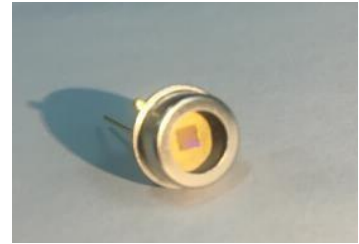




- Indium Gallium Nitride Based Material
- Photovoltaic mode operation
- TO-46 metal housing
- High responsivity and low dark current



UV LED Monitoring, UV radiation dose measurement, UV Curing

Operation temperature range	$T_{opt}$	-25-85	°C
Storage temperature range	$T_{sto}$	-40-85	°C
Soldering temperature (3 s)	$T_{sol}$	260	°C
Reverse voltage	$V_{r-max}$	-10	V
Chip size	A	1	mm <sup>2</sup>
Dark current ( $V_r = -1$ V)	$I_d$	<1	nA
Temperature coefficient	$T_c$	0.05	%/ °C
Capacitance (at 0 V and 1 MHz)	$C_p$	60	pF
Wavelength of peak responsivity	$\rho$	390	nm
Peak responsivity (at 390 nm)	$R_{max}$	0.289	A/W
Spectral response range ( $R=0.1 \times R_{max}$ )	-	290-440	nm
UV-visible rejection ratio ( $R_{max}/R_{460\text{ nm}}$ )	-	$>10^4$	-

