

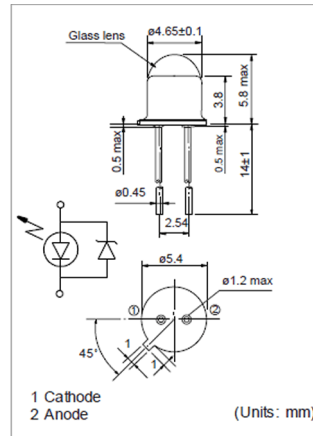
Ultra Violet LEDs KED378UH

Features

- Peak Emission Wavelength P = 373nm
- Highly reliable hermetic seal
- Longer life

Applications

- Optical instruments
- Photocatalytic reactions
- Fluorescent substance detection
- Medical applications



Specifications

Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Forward current	I_F	30	mA	
Peak forward current	I_{FP}	0.2	A	Puls width=100μs, Duty ratio=0.1%
Reverse Current	I_R	100	mA	
Power dissipation	P_D	120	mW	
Operating temperature	T_{opr}	-20 to +80		Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100		Avoid dew condensation
Soldering temperature	T_{sol}	260		Soldering time less than 5 seconds

Electrical and Optical characteristics

Parameter	Symbol	Value			Unit	Conditions
		Min.	Typ.	Max		
Forward voltage	V_F		3.6	4.5	V	$I_F=20mA$
Reverse voltage	V_R			3	V	$I_R=20mA$
Optical output power	P_O		1.0		mW	$I_F=20mA$
Peak wavelength	λ_p	370	373	380	nm	$I_F=20mA$
Spectral width			15		nm	$I_F=20mA$
Half angle	2		10		deg	$I_F=20mA$