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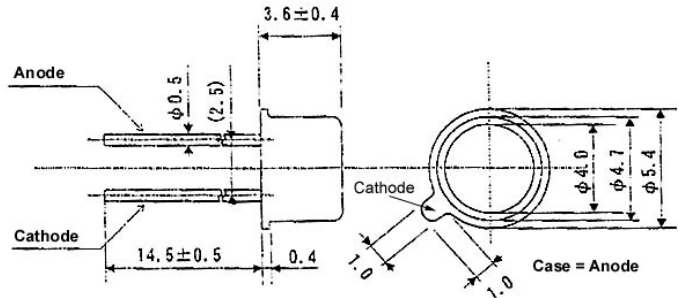
UVLED380-110

TECHNICAL DATA



UV LED

Peak Wavelength: **380 nm typ.**
 Output power: **2 - 4 mW cw**
 Package: **TO-46, flat window**



Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
DC Forward Current	I_F	(25)	mA
Pulse Forward Current *)	I_{FP}	(80)	mA
Reverse Voltage	U_R	5	V
Power Dissipation	P_D	(100)	mW
Operating Temperature	T_{OP}	-30 .. +85	°C
Storage Temperature	T_{STG}	-40 .. +100	°C

*) Pulse width \leq 10 ms, duty cycle \leq 0.1

Optical-Electrical Characteristics (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
DC Forward Voltage	V_F	$I_F = 20$ mA	-	3.5	4.0	V
Optical Power Rank 4	P_O	$I_F = 20$ mA	1700	2000	2400	μ W
Optical Power Rank 5	P_O	$I_F = 20$ mA	2400	2800	3400	μ W
Optical Power Rank 6	P_O	$I_F = 20$ mA	3400	4000	4800	μ W
Peak Wavelength	λ_P	$I_F = 20$ mA	-	380	-	nm
Spectrum Half Width	$\Delta\lambda$	$I_F = 20$ mA	-	10	-	nm
Directivity	θ	$I_F = 20$ mA		110		°

! CAUTION

- The UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.

**Avoid direct eye exposure to UV light.
Keep out of reach of children.**