

ROITHNER LASERTECHNIK

A-1040 WIEN, FLEISCHMANNGASSE 9

TEL: +43 -1- 586 52 43 FAX: +43 -1- 586 41 43

e-mail: rlt@mcb.at <http://www.roithner.mcb.at>

NSHU550E

TECHNICAL DATA

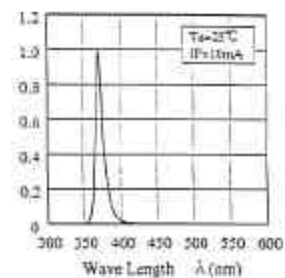
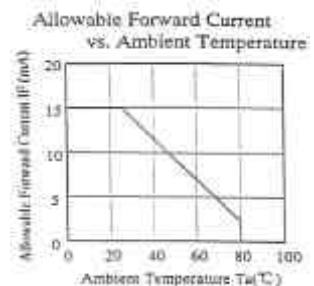
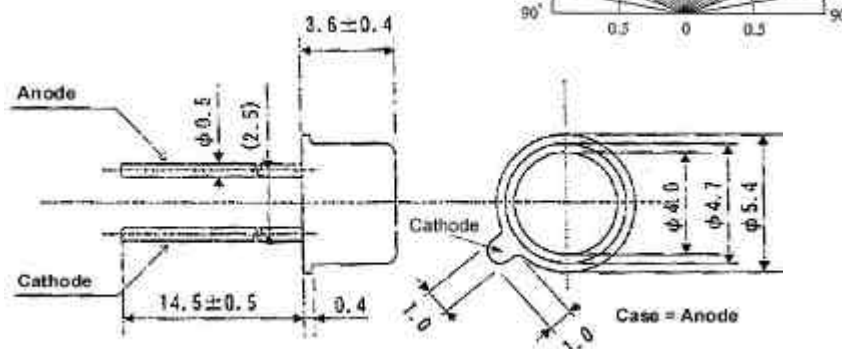


UV LED

Peak Wavelength: **370 nm typ.**

Output power: **1 mW, cw**

Package: **TO-46, flat window**



Absolute Maximum Ratings (T_c=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
DC Forward Current	I _F	15	mA
Pulse Forward Current *)	I _{FP}	30	mA
Allowable Reverse Current	I _R	85	mA
Power Dissipation	P _D	60	mW
Operating Temperature	T _{OP}	-30 .. +80	°C
Storage Temperature	T _{STG}	-40 .. +100	°C

*) Pulse width ≤ 10 ms, duty cycle ≤ 0.1

Optical-Electrical Characteristics (T_c = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
DC Forward Voltage	V _F	I _F = 10 mA	-	3.9	-	V
Optical Power	P _O	I _F = 10 mA	-	1	-	mW
Peak Wavelength	λ _P	I _F = 10 mA	-	370	-	nm
Spectrum Half Width	Δλ	I _F = 10 mA	-	12	-	nm
Divergence	θ	I _F = 10 mA		110		°

