

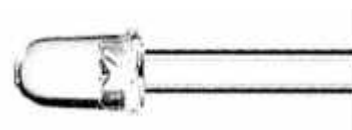
# ROITHNER LASERTECHNIK

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## 383UWC TECHNICAL DATA



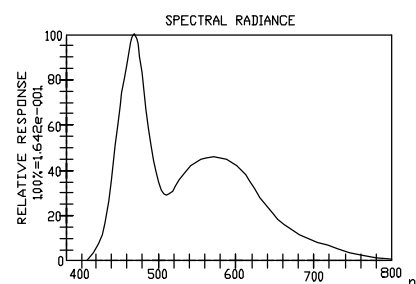
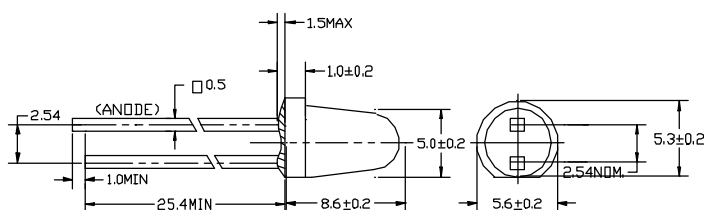
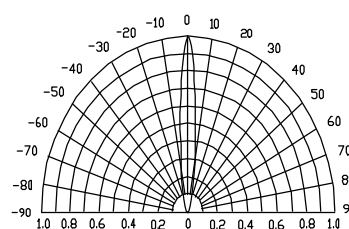
### WHITE GaN LED

Technology: **Blue GaN LED + phosphor**

Luminous Intensity: **2.3 cd**

Emission Color: **X = 0.29, Y = 0.30**

Package: **5 mm clear plastic**



#### Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	$I_F$	30	mA
Pulse Forward Current *)	$I_{FP}$	100	mA
Reverse Current	$I_R$	10	$\mu$ A
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	120	mW
Soldering Temperature	$T_S$	260	°C for 5 s
Operating Temperature	$T_{OP}$	-30 .. +80	°C
Storage Temperature	$T_{STG}$	-40 .. +100	°C

\*) Duty cycle 1/10, pulse width 10 ms

#### Optical-Electrical Characteristics (Tc = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Luminous Intensity	$L_V$	$I_F = 20$ mA	1500	2300		mcd
Forward Voltage	$V_F$	$I_F = 20$ mA	3.6	4.0		V
Forward Current	$I_F$	cw		20	30	mA
Beam Divergence	$2\theta \frac{1}{2}$	$I_F = 20$ mA		13		°