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383UWC TECHNICAL DATA



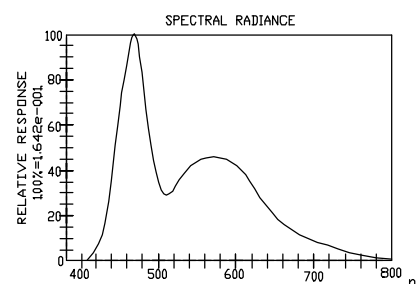
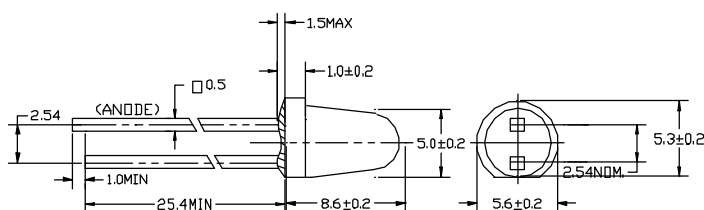
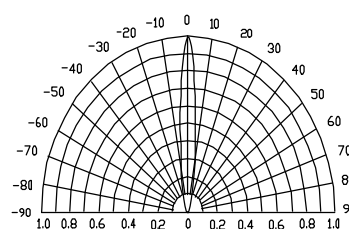
WHITE GaN LED

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	μ 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		°