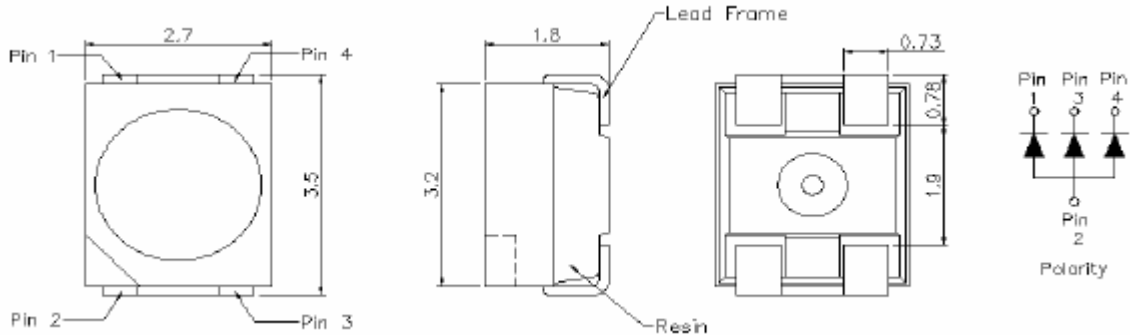


Color	Type	Technology	Case
White	W-S120-90	InGaN	SMD, 3 chips



Maximum Ratings at $T_a = 25^\circ\text{C}$

Parameter	Test conditions	Symbol	Value	Unit
Forward current		I_F	90*	mA
Peak forward current	Duty 1/10, $f \leq 1$ kHz	I_{FP}	210**	mA
Power dissipation		P_D	360	mW
Reverse voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Reverse current	$U_R = 5$ V	I_R	100	μA
Operating temperature		T_{opr}	-40 to +85	$^\circ\text{C}$
Storage temperature		T_{stg}	-40 to +100	$^\circ\text{C}$
Soldering temperature	5 sec max, 2 mm from body	T_{sol}	260	$^\circ\text{C}$

*i.e. $I_F = 30$ mA per one chip

**i.e. $I_{FP} = 70$ mA per one chip

Electrical and Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Test conditions	Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$I_F = 90$ mA	V_F	2.9	3.4	4.0	V
Luminous intensity	$I_F = 90$ mA	I_V	2850	-	-	mcd
Color coordinates CIE	$I_F = 90$ mA	X	0.27	-	0.33	-
		Y	0.26	-	0.34	-
Viewing angle	$I_F = 90$ mA	φ	-	120	-	deg.