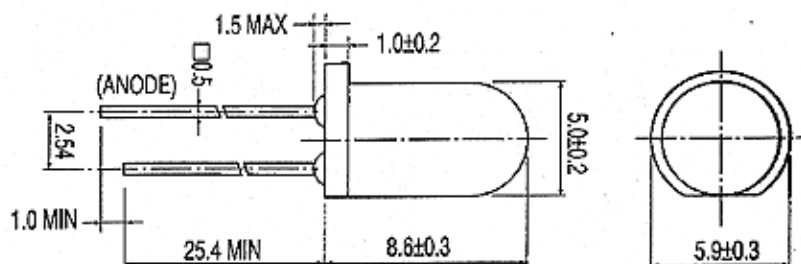


Color	Type	Technology	Case
White	ELD-470W-523	InGaN/Al ₂ O ₃	5 mm plastic lens



Note: Special packages with standoff are available on request

Maximum Ratings

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current (DC)		I _F	30	mA
Peak forward current	(t _p ≤ 50 μs, t _p /T = 1/2)	I _{FM}	100	mA
Reverse voltage	I _R = 10 μA	V _R	5	V
Power dissipation		P _D	120	mW
Operating temperature range		T _{amb}	-40 to +85	°C
Storage temperature range		T _{stg}	-40 to +100	°C
Mass		m	0.33	g

Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 20 mA	V _F		3.2	4.0	V
Luminous intensity	I _F = 20 mA	I _v	1000	3200	7000	mcd
Luminous flux	I _F = 20 mA	Φ _v	600	700	800	lm
Radiant power	I _F = 20 mA	Φ _e	2.5	2.65	3.0	mW
Peak wavelength*	I _F = 20 mA	λ _p		470		nm
CIE coordinate range	I _F = 20 mA	X	0.26		0.37	
		Y	0.26		0.39	
Color temperature				4300		K
Color rendering index				82		
Viewing angle		φ	18	20		deg.

*of blue chip