

Features:

- High luminosity LEDs
- 2.0mm tower standard directivity
- Long lifetime operation
- Superior weather-resistance
- UV resistant epoxy/water clear type
- Bi-colour AC LED

Applications

- Toys
- Audio
- Games
- Other lighting

Absolute maximum rating (Ta=25°C)

Item	Symbol	Value		Unit
		RED	White	
DC forward current	I_F	30	30	mA
Pulse forward current*	I_{FP}	100	100	mA
Reverse voltage	V_R	5	5	V
Power dissipation	P_D	78	108	mW
Operating temperature	T_{opr}	-30 to +85		°C
Storage temperature	T_{stg}	-40 to +100		°C
Lead soldering temperature	T_{sol}	260°C/5sec		-

*Pulse width max. 10ms. Duty ratio max. 1/10

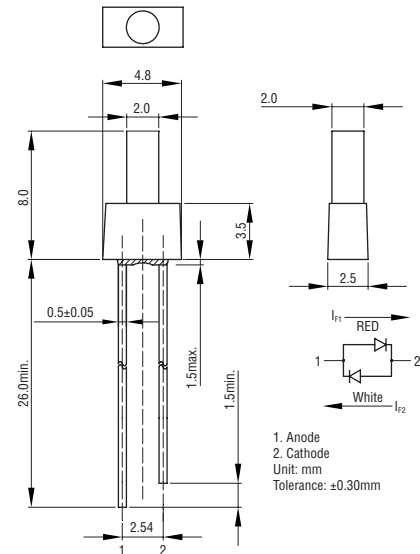
Electrical - Optical characteristics (Ta=25°C)

Item	NO.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC forward voltage	Red	V_{F1}	$I_{F1}=20mA$	1.8	2.1	2.6	V
	White	V_{F2}	$I_{F2}=20mA$	2.9	3.1	3.6	V
Domi. Wavelength*	Red	λ_{D1}	$I_{F1}=20mA$	620	625	630	nm
	White	CCT	$I_{F2}=20mA$	6500K			
Luminous intensity†	Red	I_{V1}	$I_{F1}=20mA$	330	500	-	mcd
	White	I_{V2}	$I_{F2}=20mA$	500	750	-	mcd
50% Power angle	Red	$2\theta_{1/2}$	$I_{F1}=20mA$	-	90	-	deg
	White	$2\theta_{1/2}$	$I_{F2}=20mA$	-	90	-	deg

* Tolerance of dominant chromaticity is $\pm 10\%$
† Tolerance of luminous intensity is $\pm 15\%$



Outline dimensions:



Directivity:

