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## NTE30115 LED – Triple Color 5mm Super Fresh Red/Super Green/Super Blue

**Features:**

- RoHS Compliant
- Water Clear

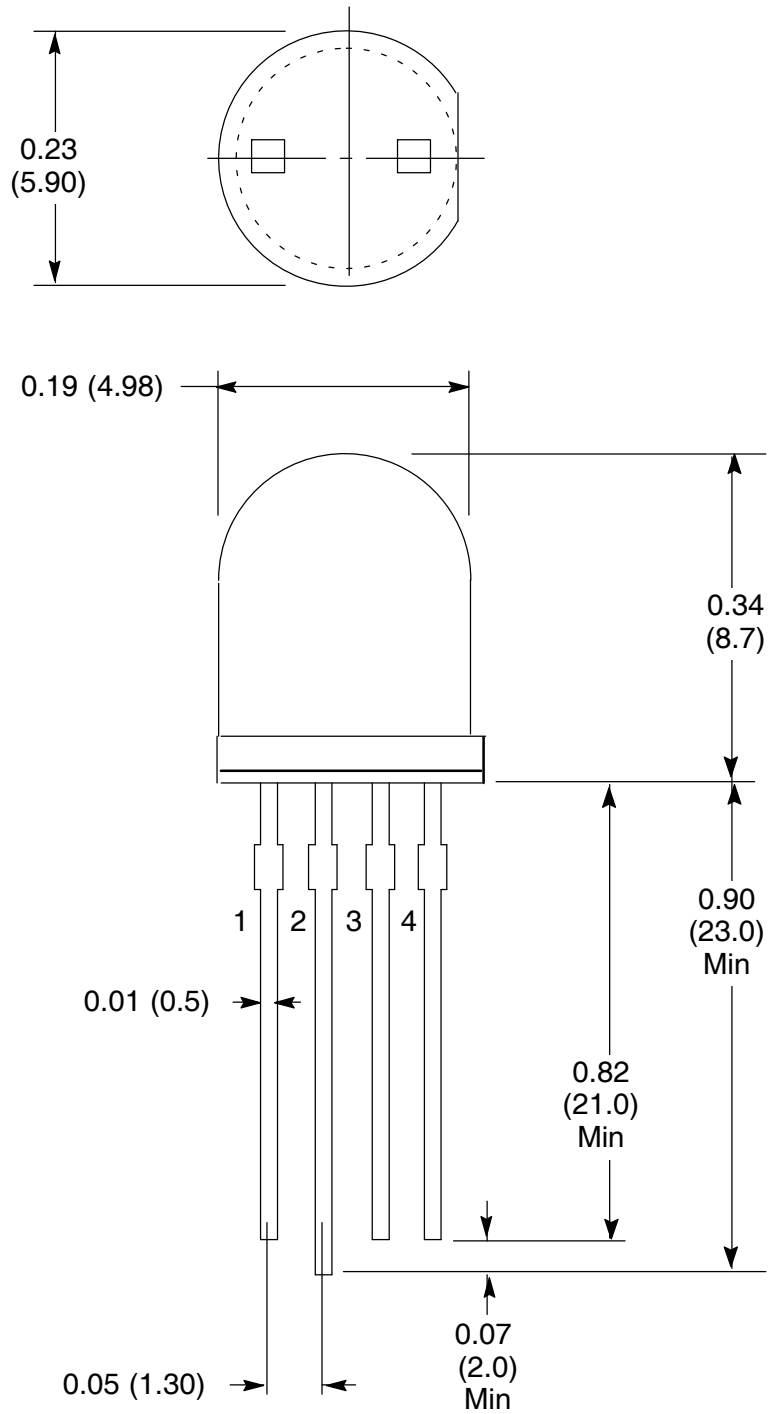
**Absolute Maximum Ratings:** ( $T_A = +25^{\circ}\text{C}$  unless otherwise specified)

Power Dissipation, $P_d$		
Green & Blue	.....	120mW
Red	.....	100mW
Continuous Forward Current, $I_F$	.....	25mW
Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), $I_{FM}$		
Green & Blue	.....	100mA
Red	.....	50mA
Reverse Voltage, $V_R$		
Green & Blue	.....	4V
Red	.....	5V
Operating Temperature Range, $T_{opr}$	.....	$-25^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
Storage Temperature Range, $T_{stg}$	.....	$-20^{\circ}\text{C}$ to $+90^{\circ}\text{C}$
DIP Soldering Temperature (During Soldering, 3mm from body, 5sec max), $T_L$	.....	$+260^{\circ}\text{C}$

**Electro-Optical Characteristics:** ( $T_A = +25^{\circ}\text{C}$  unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit	
View Angle of Half Power	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	12	-	deg	
Forward Voltage	VF	$I_F = 20\text{mA}$	-	2.0	2.8	V	
Red				3.5	4.0	V	
Green				3.5	4.2	V	
Luminous Intensity (Note 1)	IV	$I_F = 20\text{mA}$	1800	3000	-	mcd	
Red				3500	6000	-	mcd
Green				1300	2500	-	mcd
Dominant Wave Length (Note 2)	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	-	626	-	nm	
Red				525	-	nm	
Green				470	-	nm	
Spectrum Width of Half Valve	$\Delta\lambda$	$I_F = 20\text{mA}$	-	25	-	nm	
Red				45	-	nm	
Green				20	-	nm	
Blue							

Note 1. Luminous intensity is measured with an Exeltron 2001, Tolerance = 30%.



1. Blue +
2. Common Cathode -
3. Super Red +
4. Green +