

**L5T20W****5.0MM ROUND LAMP  
WHITE****Absolute Maximum Ratings at TA=25 °C**

REVERSE VOLTAGE (<math><50\mu A</math>)	.....5.0V
D.C.FORWARD CURRENT	..... 30mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH)	.....100 mA
OPERATING TEMPERATURE RANGE	.....-25 °C TO +85 °C
STORAGE TEMPERATURE RANGE	.....-25 °C TO +100 °C
LEAD SOLDERING TEMP. (1.6mm FROM BODY)	..... 260 °C FOR 5 SEC

**Features**

**InGaN TECHNOLOGY  
HIGH POWER OUTPUT  
NARROW VIEW ANGLE FOR  
MAXIMUM LIGHT OUTPUT**

**PRELIMINARY****Precautions :**

These products are sensitive to static electricity; high standard of care must be fully taken when handling them. Particularly if an over-voltage that exceeds the Absolute maximum Rating of these products were applied, the overflow energy will cause damage to and possibly result in destruction of these products. Buyer shall take absolute secure countermeasures against static electricity and surge when handling these products.

**Electrical/Optical Characteristics at TA=25 °C**

PART NUMBER	LED CHIP		WAVELENGTH Hue @20 mA (nm)		FORWARD VOLTAGE @20mA(V)		Reverse Current IR VR=5[V]	LUMINOUS INTENSITY @20mA(mod)		VIEW ANGLE 2 θ 1/2 (deg)
	MATERIAL	EMITTING COLOR	X	Y	TYP.	MAX.		MIN.	TYP.	
L5T20W(H)	InGaN	WHITE	0.29 ± 0.03	0.30 ± 0.03	3.3	3.7	50μ A	1000	1500	20
L5T20W(HQ)	InGaN	WHITE	0.29 ± 0.03	0.30 ± 0.03	3.3	3.7	50μ A	1500	2000	20
L5T20W(HQH)	InGaN	WHITE	0.29 ± 0.03	0.30 ± 0.03	3.3	3.7	50μ A	2000	2500	20

Tolerance of the Luminous Intensity : ±10%

