

## LG-05IR4T94C-557F -T DATA SHEET

SPEC. NO. : SZ21122401  
DATE : 2021/12/24  
REV. : A/0

Approved By:

Checked By:



## Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	175	mW
Continuous Forward Current	100	mA
Peak Forward Current <sup>*3</sup>	1.0	A
Reverse Voltage	5	V
Operating Temperature	-40 to + 85	
Storage Temperature	-45 to + 100	
Wave Soldering Condition	260 for 5 Seconds	

### 1. Storage

The storage ambient for the LEDs should not exceed 30 °C temperature or 70% relative humidity.

It is recommended that LEDs out of their original packaging are used within three months.

It is recommended that LED be used in 168hrs after opening the package, If extended, use 70 5 before baking more than 12hrs.

For extended storage out of their original packaging, it is recommended that the LEDs be stored in a sealed container with appropriate desiccant or in desiccators with nitrogen ambient.

### 2. Precautions in handling:

- When soldering, leave 2mm of minimum clearance from the resin to the soldering point.
- Dipping the resin to solder must be avoided.
- Correcting the soldered position after soldering must be avoided.
- In soldering, do not apply any stress to the lead frame particularly when heated.
- When forming a lead, make sure not to apply any stress inside the resin.
- Lead forming must be done before soldering.
- It is necessary to cut the lead frame at normal temperature.

### 3. Peak Forward Current:

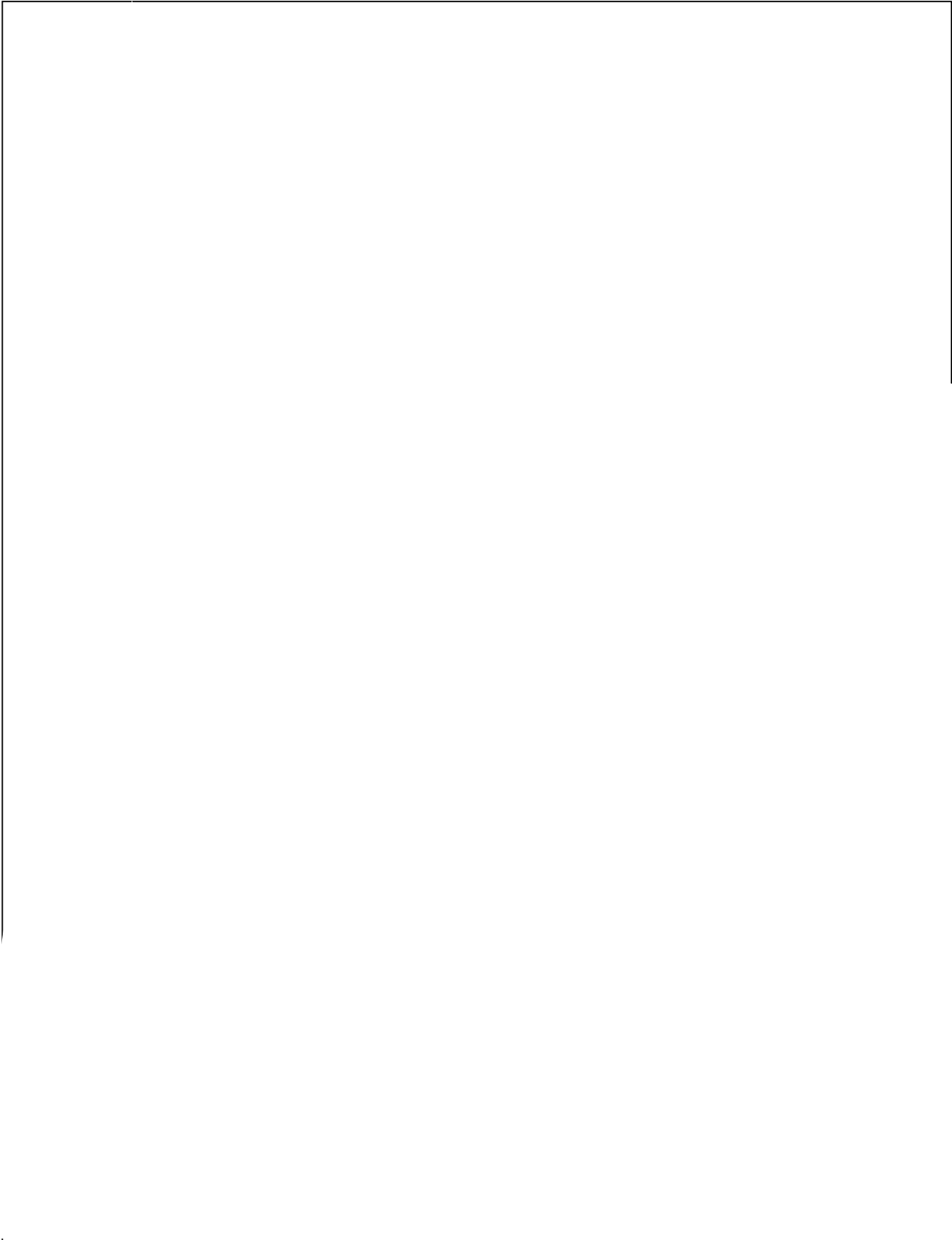
Condition for is IFP pulse : Pulse Width 1%.

### 4. Caution in ESD:

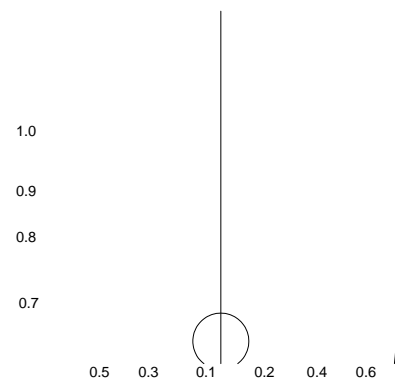
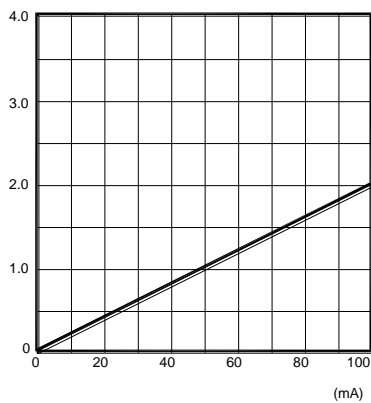
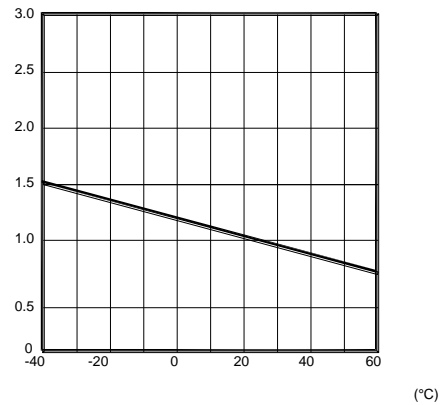
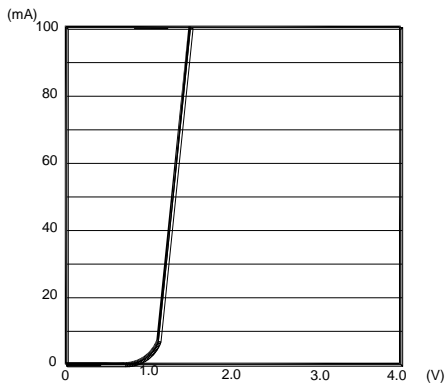
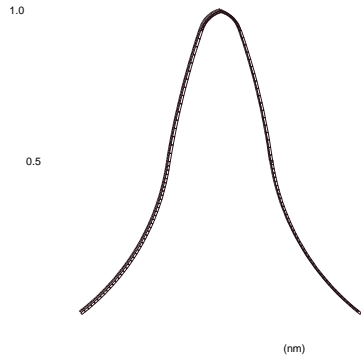
Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

## Electrical Optical Characteristics at Ta=25°C

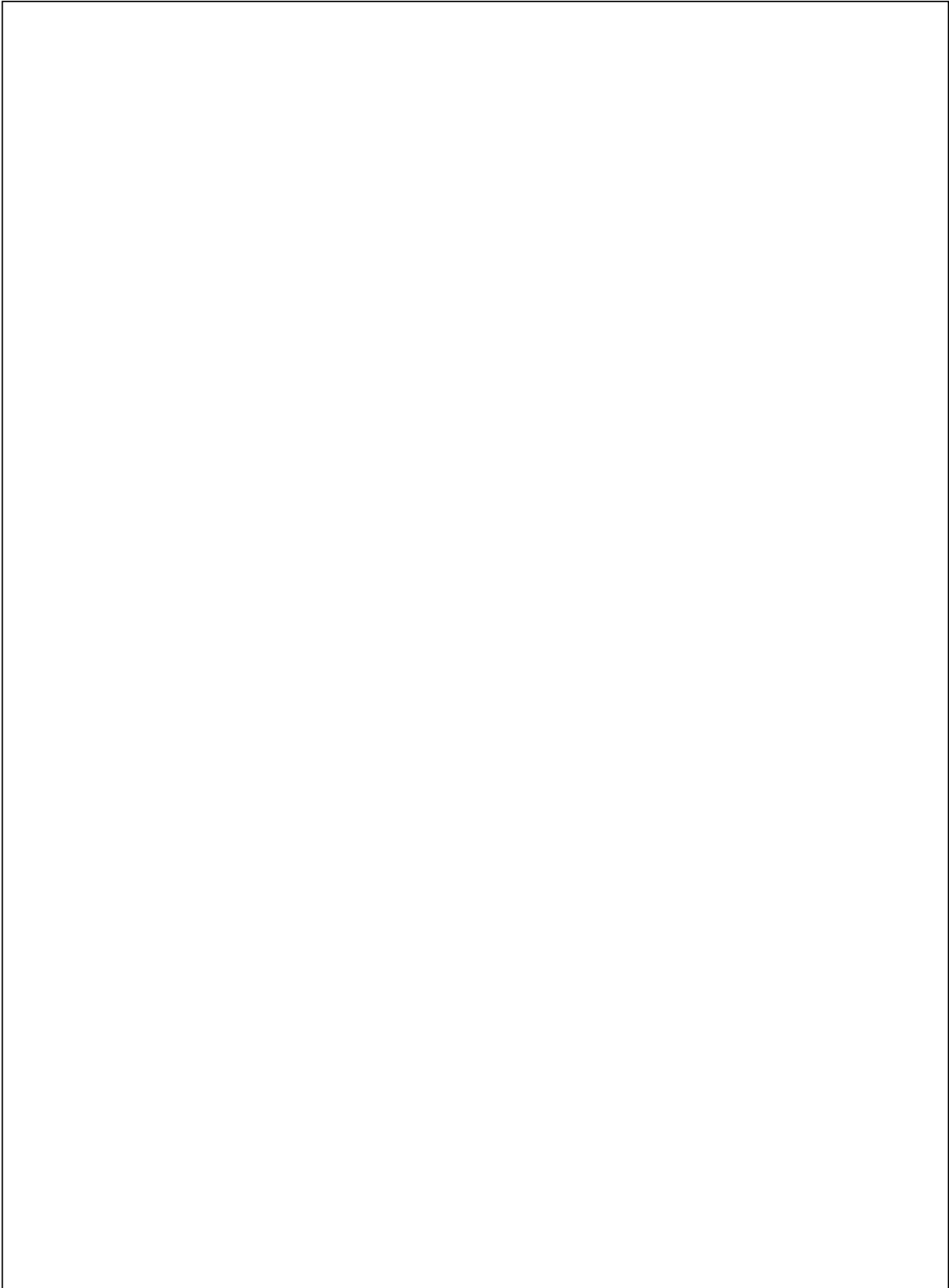
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	I <sub>e</sub>	185	240	312	mW/sr	I <sub>F</sub> =50mA (Note 1,3)
Viewing Angle			1/2			

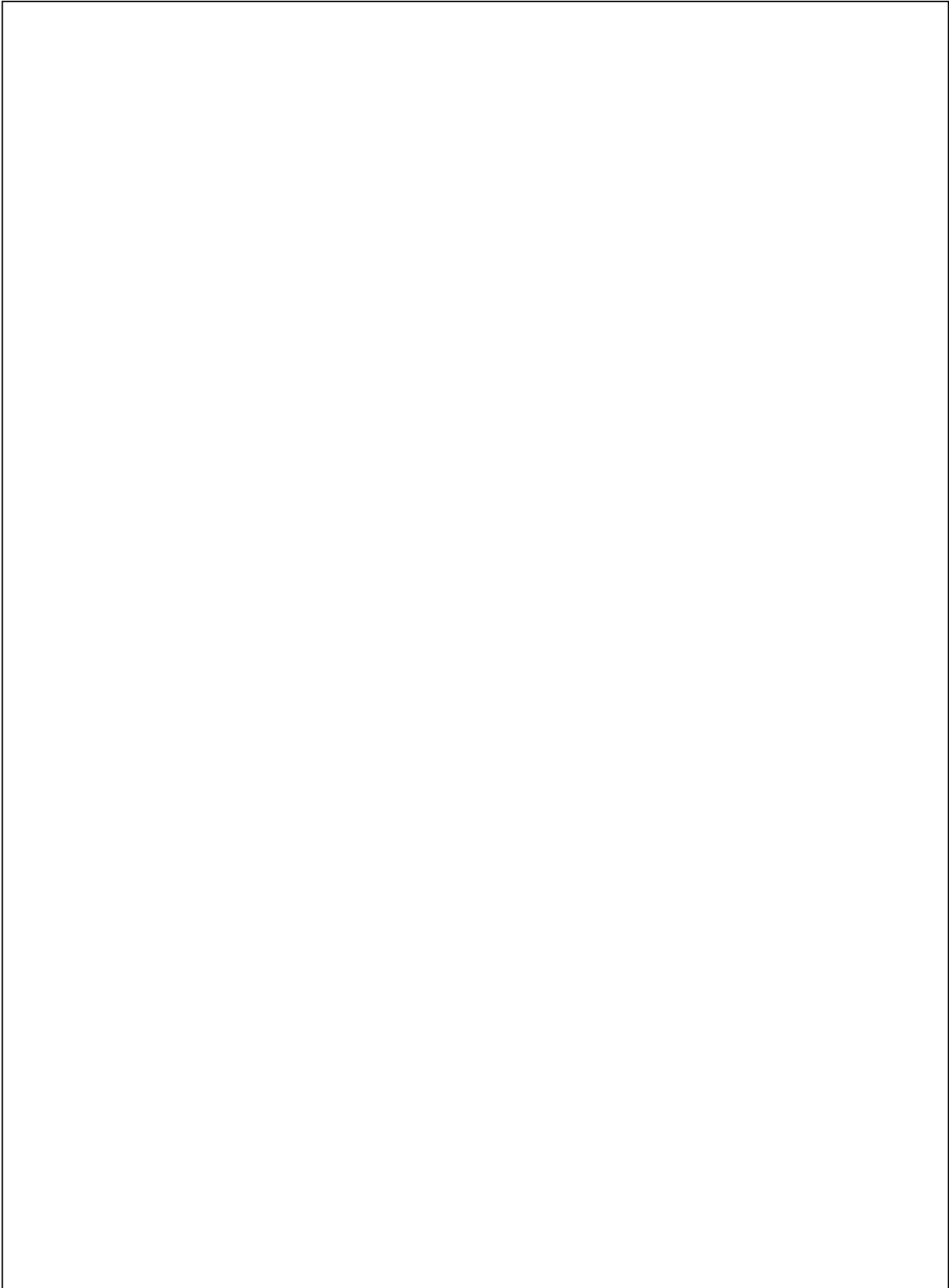


**Typical Electrical / Optical Characteristics Curves  
(25°C Ambient Temperature Unless Otherwise Noted)**



LIGH







## PACKAGE

All dimensions are in millimeters. Tolerance is  $\pm 0.20\text{mm}$  unless otherwise noted.

Label

Packaging Unit	Quantity
Inner Cardboard Box	2