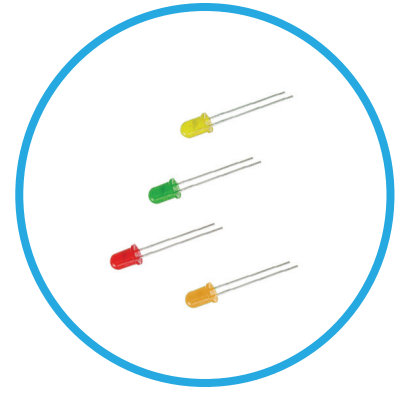




4304H Series 5mm (T-1 3/4) Solid State LED Lamps



Through-hole LED with low power consumption. available in red, green, amber and yellow.

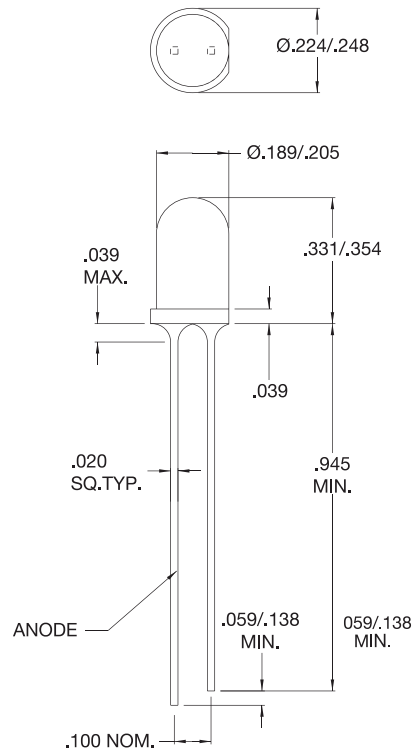
Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Front Panel Indicator
- Electrical Panels
- Back Lighting
- Appliances

Key Features

- 5mm (T-1 3/4) LED
- Emitted color: red, green, amber and yellow
- Low power consumption
- Long life - solid state reliability
- RoHS and REACH Compliant

Product Dimensions



Notes:

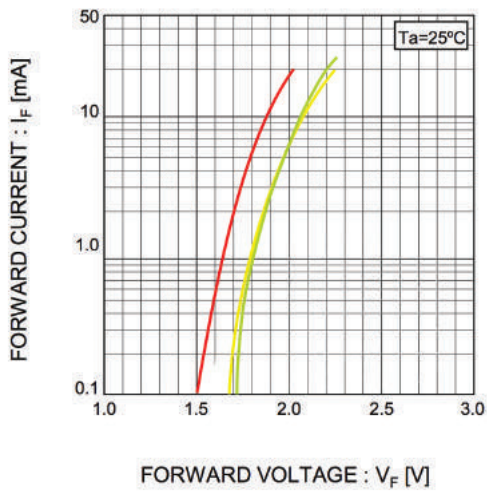
1. All dimensions are in inches

Product Specifications

Part Number	4304H1	4304H3	4304H5	4304H7
Output Color	Red	Amber	Green	Yellow
Diffusion	Diffused	Diffused	Diffused	Diffused
Package Color	Red	Amber	Green	Yellow
Forward Current I _F (mA)	20	25	25	20
Forward Voltage Typ. V _F (V)	2.0	1.9	2.1	2.1
Luminous Intensity Min. (mcd)	3.6	24.8	5.6	5.6
Luminous Intensity Typ. (mcd)	10	-	16	16
Luminous Intensity Max. (mcd)	-	63.4	-	-
Dominant Wavelength (nm)	630	605	572	587
Viewing Angle 2θ 1/2 (degrees)	40	60	40	40
Power Dissipation (mW)	60	135	75	60
Reverse Voltage (V)	3	5	3	3
Operating Temperature Topr (°C)	-20°C to +85°C	-40°C to +100°C	-20°C to +85°C	-20°C to +85°C
Storage Temperature Tstg (°C)	-30°C to +100°C	-40°C to +100°C	-30°C to +100°C	-30°C to +100°C

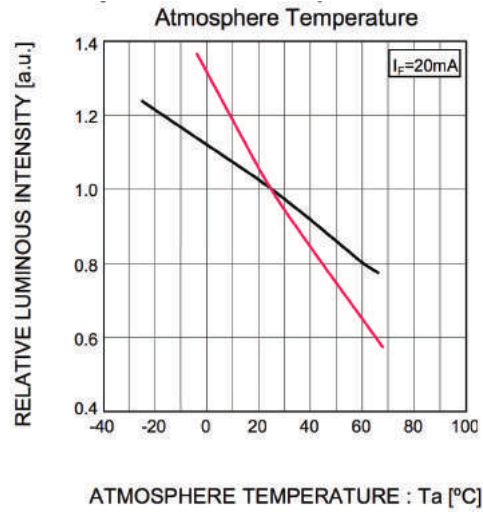
Electrical Characteristics Curves

Forward current vs. forward voltage



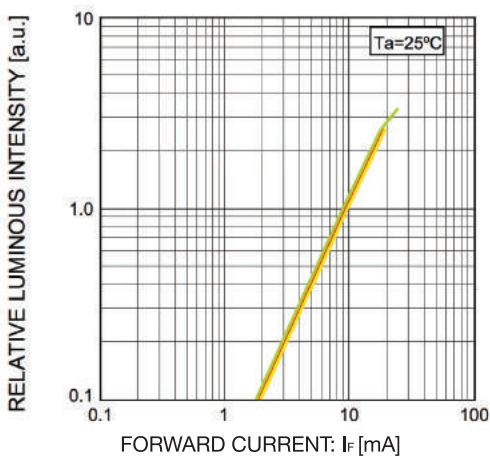
- 4304H1
- 4304H5
- 4304H7

Luminous Intensity vs. Atmosphere Temperature



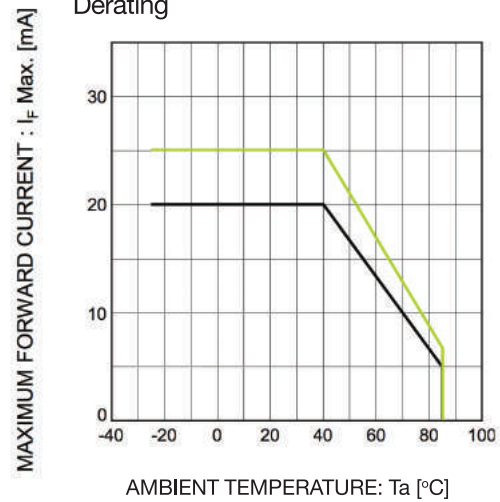
- 4304H1, 4304H5
- 4304H7

Luminous Intensity vs. Forward Current



- 4304H1
- 4304H5
- 4304H7

Derating



- 4304H1, 4304H7
- 4304H5

Product Specifications

Electrical Characteristics Curves (Only for 4304H3)

Figure 2: Forward Current vs. Forward Voltage Characteristics

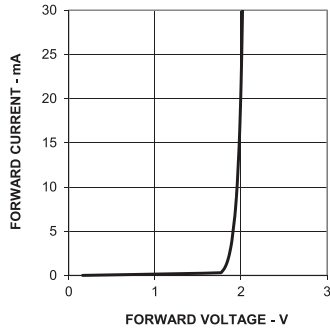


Figure 3: Relative Luminous Intensity vs. DC Forward Current

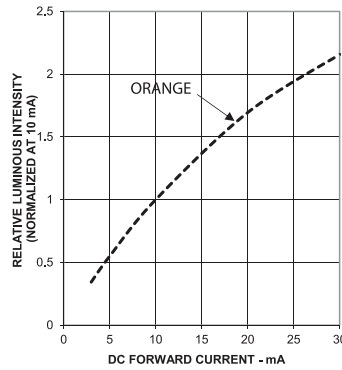


Figure 4: Maximum Tolerable Peak Current vs. Pulse Duration. (I_{DC} MAX as per MAX ratings)

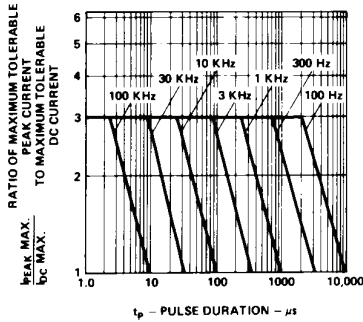
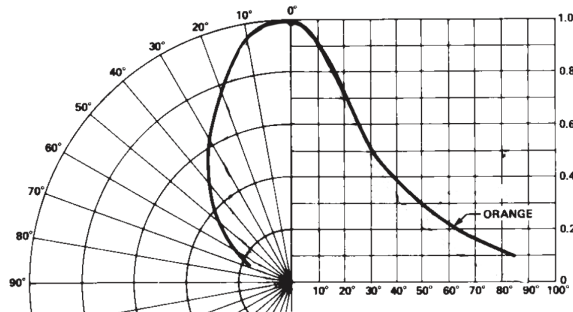


Figure 5: Relative Luminous Intensity vs. Angular Displacement



Compliances and Approvals

