



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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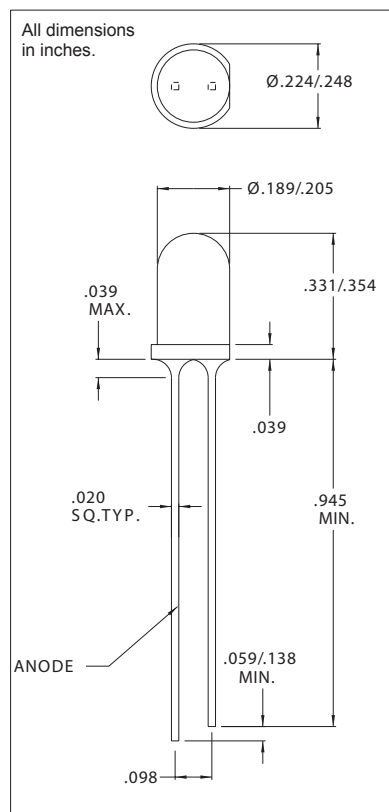
4304H Series Solid State LED Lamps T-1 3/4 (5mm)



Key Features

- Low power consumption
- T-1 3/4 diameter package
- 4 colors available: red, amber, green and yellow
- Long life - solid state reliability
- Reliable and rugged

Product Dimensions

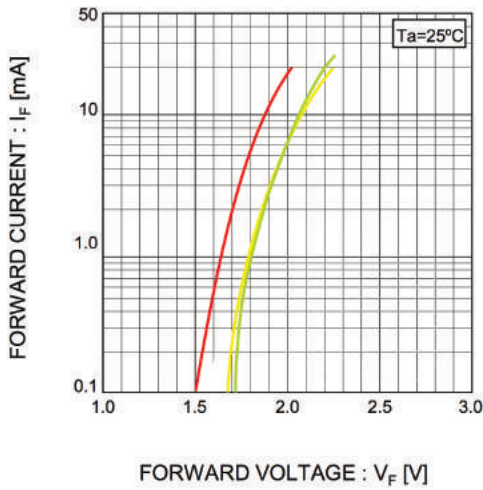


Product Specifications

| PART NUMBER | 4304H1 | 4304H3 | 4304H5 | 4304H7 |
|--------------------------------|----------|----------|----------|----------|
| Output Color | Red | Amber | Green | Yellow |
| Diffusion | Diffused | Diffused | Diffused | Diffused |
| Package Color | Red | Amber | Green | Yellow |
| Test Current (mA) | 10 | 10 | 10 | 10 |
| Forward Voltage Typ. (V) | 2.0 | 1.9 | 2.1 | 2.1 |
| Luminous Intensity Min. (mcd) | 3.6 | 3.8 | 5.6 | 5.6 |
| Luminous Intensity Typ. (mcd) | 10 | - | 16 | 16 |
| Luminous Intensity Max. (mcd) | - | 9.7 | - | - |
| Dominant Wavelength (nm) | 630 | 602 | 572 | 585 |
| Viewing Angle 20 1/2 (degrees) | 40 | 60 | 40 | 40 |
| Power Dissipation (mW) | 60 | 135 | 75 | 60 |
| Reverse Voltage (V) | 3 | 5 | 3 | 3 |

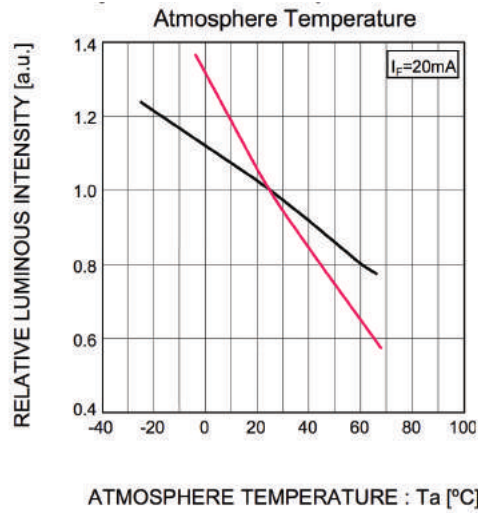
Electrical Characteristics Curves

Forward current vs. forward voltage



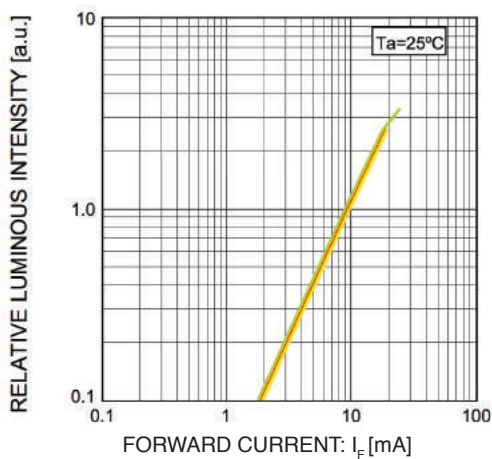
■ 4304H1
■ 4304H5
■ 4304H7

Luminous Intensity vs. Atmosphere Temperature



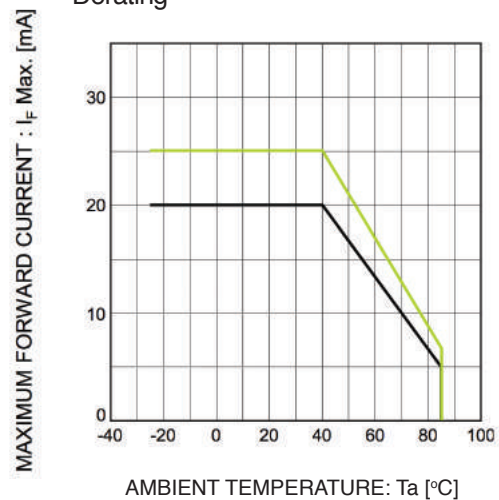
■ 4304H1, 4304H5
■ 4304H7

Luminous Intensity vs. Forward Current



■ 4304H1
■ 4304H5
■ 4304H7

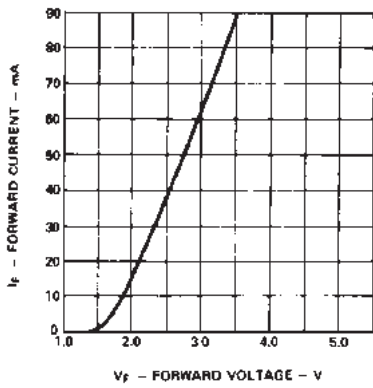
Derating



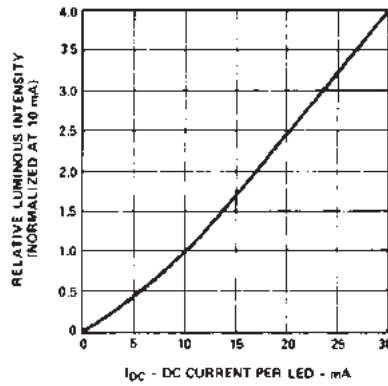
■ 4304H1, 4304H7
■ 4304H5

Electrical Characteristics Curves

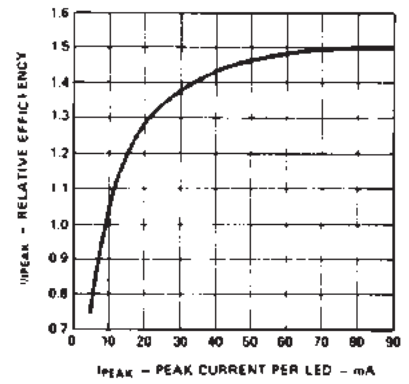
Color: Amber (4304H3)



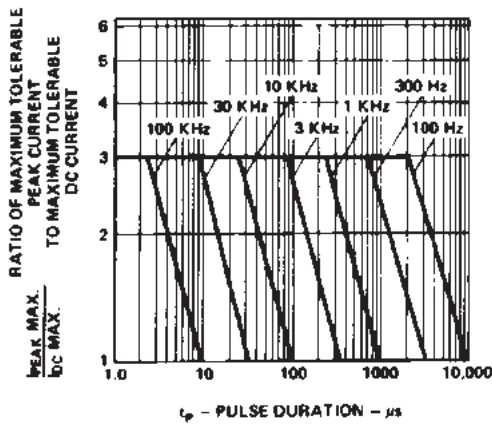
Forward current vs. forward voltage characteristics



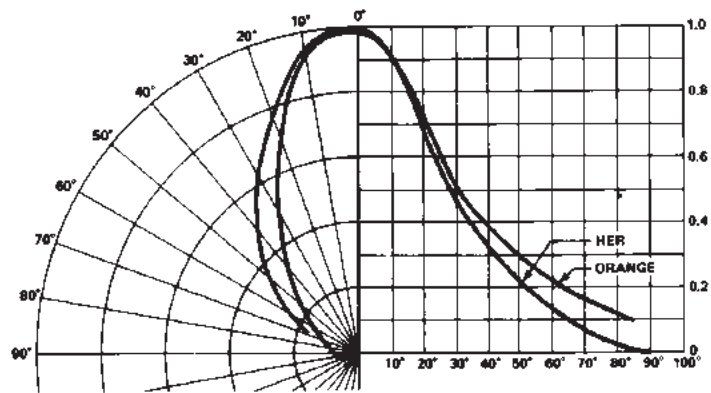
Relative luminous intensity vs. DC forward current



Relative efficiency (luminous intensity per unit current) vs. peak LED current



Maximum tolerable peak current vs. pulse duration. ($I_{DC\ MAX}$ as per MAX ratings)



Relative luminous intensity vs. angular displacement

Compliances and Approvals

