



Universal LED in Ø 5 mm Tinted Diffused Package



19223

FEATURES

- For DC and pulse operation
Luminous intensity categorized
Standard T-1 1/4 package
TLUR540. with stand-offs
Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



PRODUCT GROUP AND PACKAGE DATA

- Product group: LED
Package: 5 mm
Product series: standard
Angle of half intensity: ± 30°

APPLICATIONS

- General indicating and lighting purposes

Table with 13 columns: PART, COLOR, LUMINOUS INTENSITY (mcd) [MIN., TYP., MAX.], at IF (mA), WAVELENGTH (nm) [MIN., TYP., MAX.], at IF (mA), FORWARD VOLTAGE (V) [MIN., TYP., MAX.], at IF (mA), TECHNOLOGY. Rows include TLUR5400, TLUR5400-AS12Z, and TLUR5401.

Table titled ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C unless otherwise specified) for TLUR540. Columns: PARAMETER, TEST CONDITION, SYMBOL, VALUE, UNIT. Rows include Reverse voltage, DC forward current, Surge forward current, Power dissipation, Junction temperature, Operating temperature range, Storage temperature range, Soldering temperature, Thermal resistance junction/ambient.

Table titled OPTICAL AND ELECTRICAL CHARACTERISTICS (Tamb = 25 °C, unless otherwise specified) for TLUR540., RED. Columns: PARAMETER, TEST CONDITION, PART, SYMBOL, MIN., TYP., MAX., UNIT. Rows include Luminous intensity, Dominant wavelength, Peak wavelength, Angle of half intensity, Forward voltage, Reverse voltage, Junction capacitance.

Note

(1) In one packing unit I_vmin./I_vmax. ≤ 0.5

TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

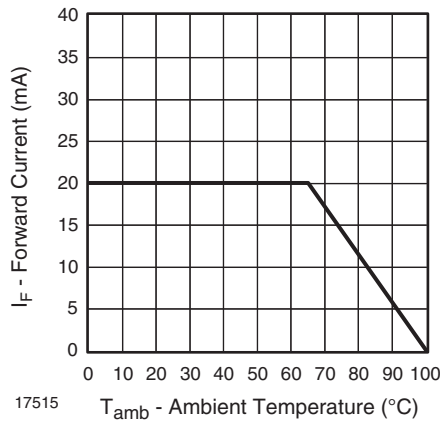


Fig. 1 - Forward Current vs. Ambient Temperature

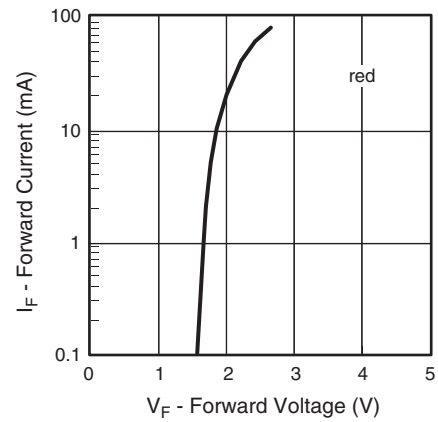


Fig. 4 - Forward Current vs. Forward Voltage

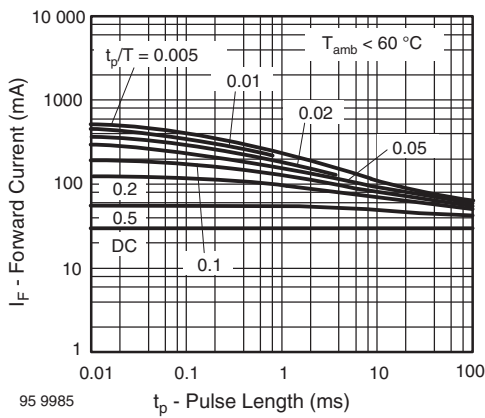


Fig. 2 - Pulse Forward Current vs. Pulse Duration

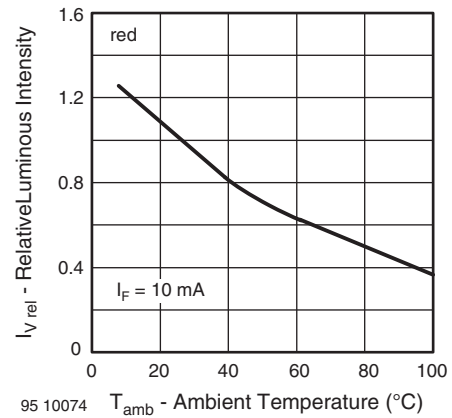


Fig. 5 - Relative Luminous Intensity vs. Ambient Temperature

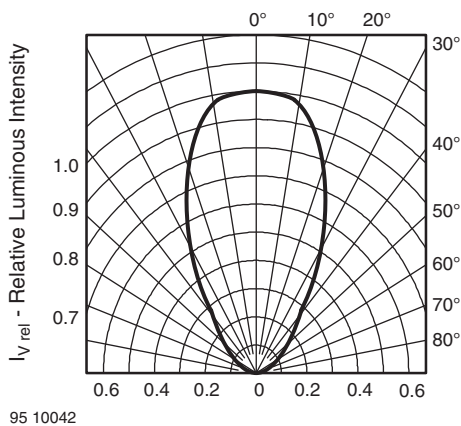


Fig. 3 - Relative Luminous Intensity vs. Angular Displacement

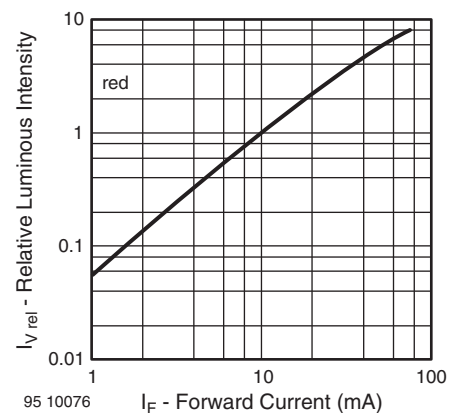


Fig. 6 - Relative Luminous Intensity vs. Forward Current

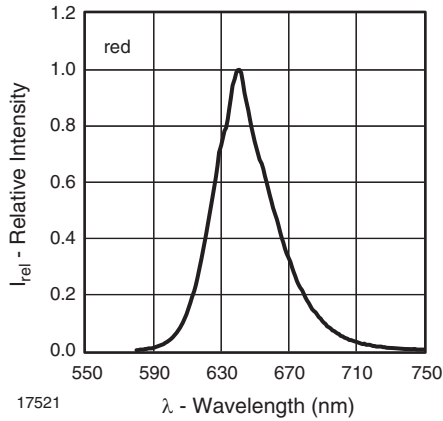
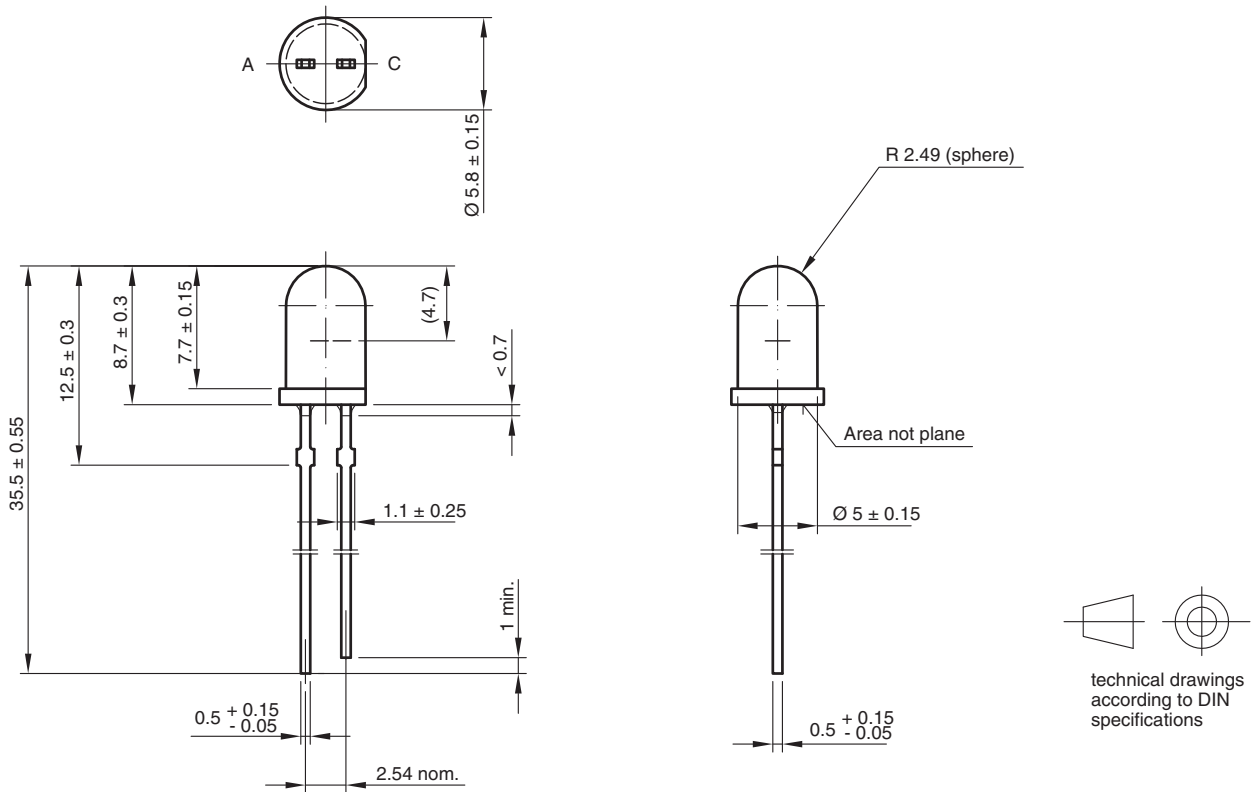


Fig. 7 - Relative Intensity vs. Wavelength

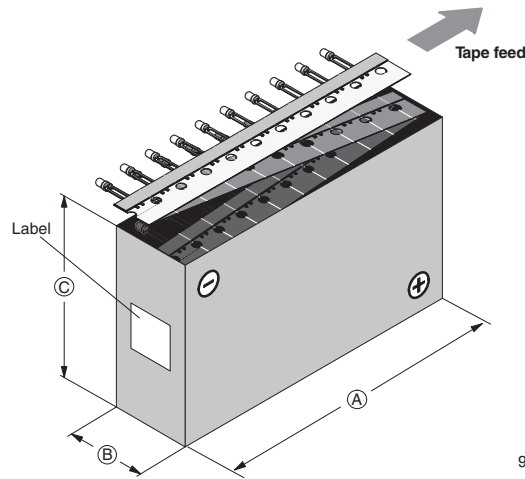
PACKAGE DIMENSIONS in millimeters



technical drawings according to DIN specifications

6.544-5258.02-4
Issue: 7; 23.07.10
95 10916

AMMOPACK



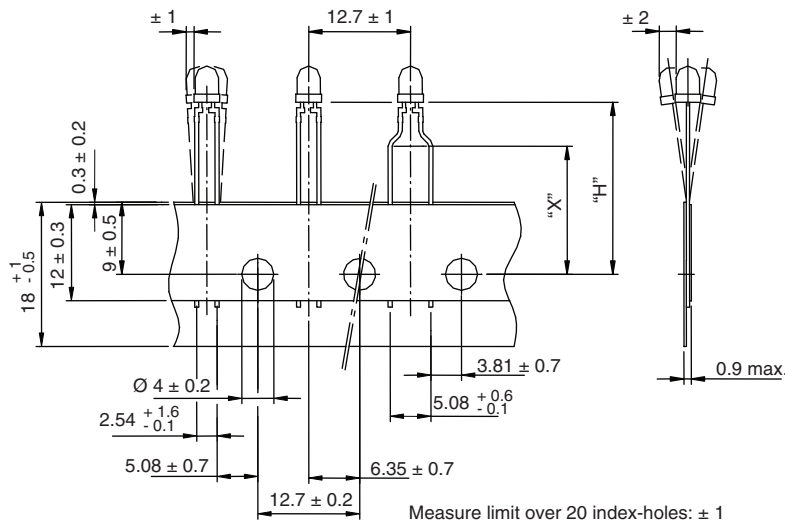
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Fig. 8 - Tape Direction

Note

- AS12Z and AS21Z still valid for already existing types BUT NOT FOR NEW DESIGN

TAPE DIMENSIONS in millimeters



Quantity per:	Reel (Mat.-no. 1764)
	2000

21885

Option	Dim. "H" ± 0.5 mm	Dim. "X" ± 0.5 mm
AS	17.3	
MS	25.5	
CS	22.0	
LS	21.0	
BT	20.0	16.0



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