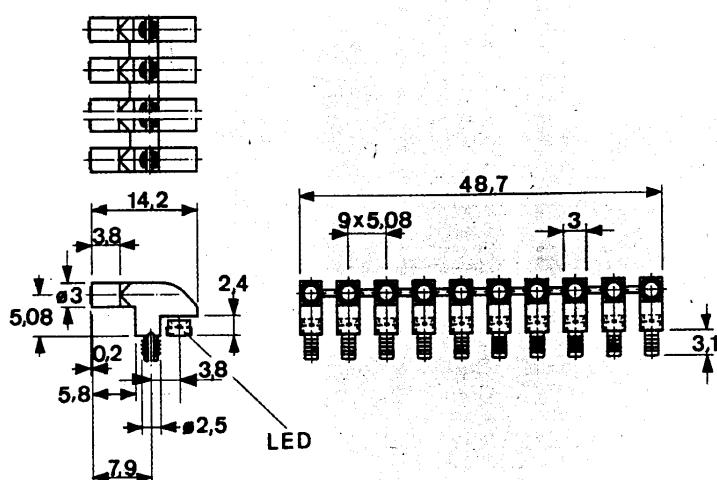
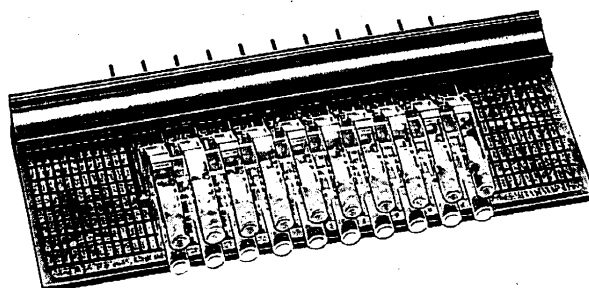


# 324-5251

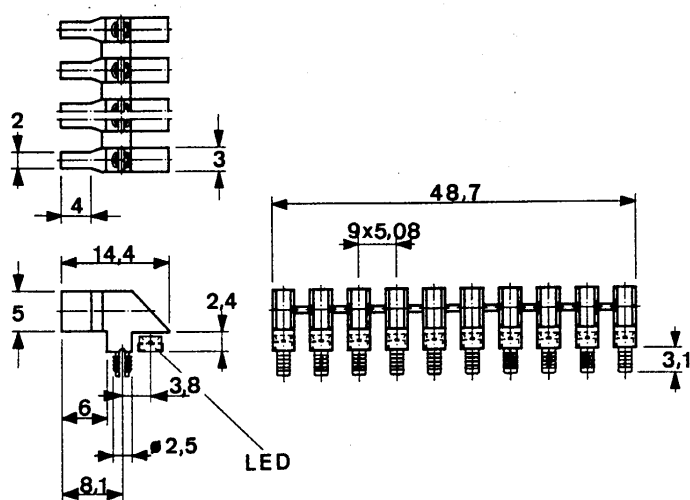
● Lichtleiter-System

Lightguide-System



| LED Type | LED Farbe<br>LED Colour  | Artikel-Nr. |
|----------|--------------------------|-------------|
| L1       | 10 x rot<br>10 x red     | 1271.1210   |
| L2       | 10 x gelb<br>10 x yellow | 1271.1710   |
| L3       | 10 x grün<br>10 x green  | 1271.1810   |

incl. LED

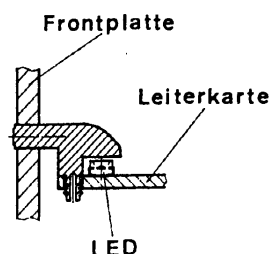
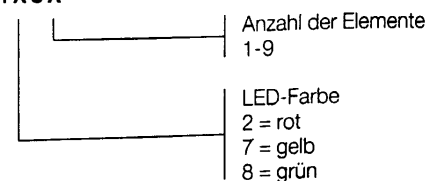


| LED Type | LED Farbe<br>LED Colour  | Artikel-Nr. |
|----------|--------------------------|-------------|
| L1       | 10 x rot<br>10 x red     | 1273.1210   |
| L2       | 10 x gelb<br>10 x yellow | 1273.1710   |
| L3       | 10 x grün<br>10 x green  | 1273.1810   |

incl. LED

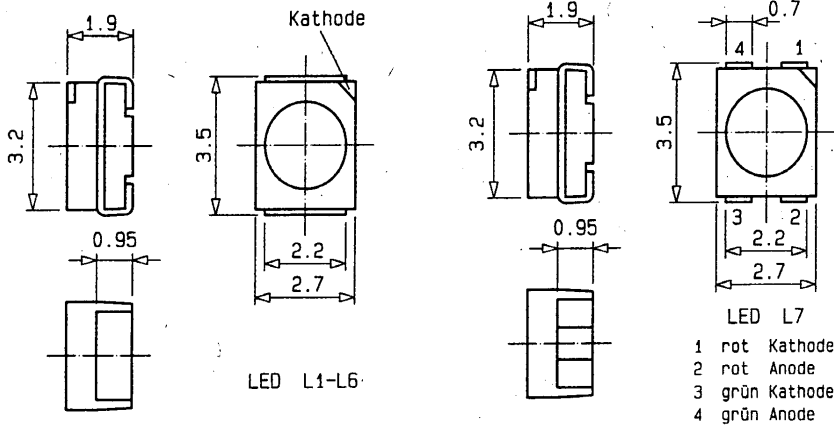
Bestellschlüssel für 1-9 Elemente

1271.1 XOX bzw.  
1273.1 XOX

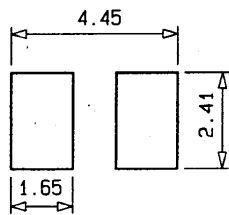


Montagebohrung PCB  $\varnothing 2,3 \pm 0,02$

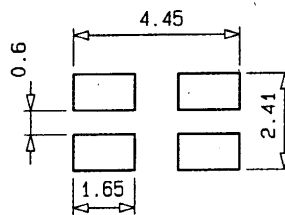
Sonderlängen auf Anfrage  
Farbige Lichtleiter auf Anfrage



| LED Type | Farbe Colour          | Artikel-Nr. |
|----------|-----------------------|-------------|
| L1       | rot/red               | 1200.1002   |
| L2       | gelb/yellow           | 1200.1007   |
| L3       | grün/green            | 1200.1008   |
| L4       | rot/red               | 1200.1012   |
| L5       | gelb/yellow           | 1200.1017   |
| L6       | grün/green            | 1200.1018   |
| L7       | rot/grün<br>red/green | 1200.1028   |



Layoutvorschlag

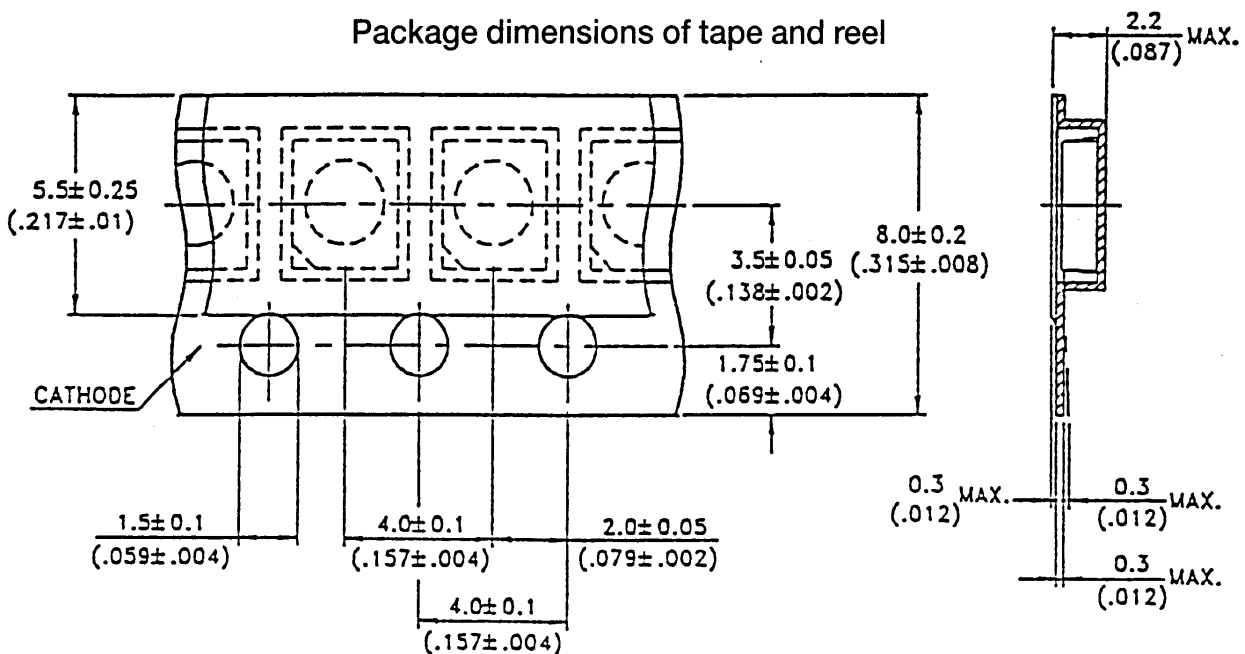


Layoutvorschlag

Vollautomatisch bestückbar

Fully automatic insertion

## Package dimensions of tape and reel



| LED-Type |   | Colour Wavelength |         | Lense Colour | Forward Voltage<br>U <sub>F</sub> (V) I <sub>F</sub> = 20 mA |     | Fwd.-Current<br>I <sub>F</sub> max. (mA) | * $\angle \phi$<br>(50 % I <sub>V</sub> ) | Luminous Intensity<br>I <sub>V</sub> (mcd) I <sub>F</sub> = 10/*2 mA<br>**20 mA |      |     | Peak Fwd.-<br>Curr. I <sub>FS</sub> (A) | Rev. Voltage<br>U <sub>R</sub> (V) |
|----------|---|-------------------|---------|--------------|--------------------------------------------------------------|-----|------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------|------|-----|-----------------------------------------|------------------------------------|
|          |   |                   | λ (nm)  |              | typ                                                          | max |                                          |                                           |                                                                                 | min  | typ |                                         |                                    |
| L        | 1 | rot               | 635     | water clear  | 2,0                                                          | 2,8 | 40                                       | ±60                                       | 4                                                                               | -    | 12  | 0,2                                     | 5                                  |
|          | 2 | gelb              | 585     |              | 2,1                                                          | 2,8 | 30                                       |                                           | 4                                                                               | -    | 12  | 0,1                                     | 5                                  |
|          | 3 | grün              | 565     |              | 2,1                                                          | 2,8 | 20                                       |                                           | 4                                                                               | -    | 12  | 0,1                                     | 5                                  |
|          | 4 | rot               | 635     |              | 2,0                                                          | 2,8 | 40                                       |                                           | 0,18*                                                                           | 0,8* | -   | 0,2                                     | 5                                  |
|          | 5 | gelb              | 585     |              | 2,1                                                          | 2,8 | 30                                       |                                           | 0,18*                                                                           | 0,8* | -   | 0,1                                     | 5                                  |
|          | 6 | grün              | 565     |              | 2,1                                                          | 2,8 | 30                                       |                                           | 0,18*                                                                           | 0,8* | -   | 0,1                                     | 5                                  |
|          | 7 | rot/grün          | 630/565 |              | 2,0                                                          | 2,8 | 30                                       |                                           | 3,7**                                                                           | 15** | -   | 0,1                                     | 5                                  |

|                                 |                     |
|---------------------------------|---------------------|
| Operating Temperature Range     | -55°C to +100°C     |
| Storage Temperature Range       | -55°C to +100°C     |
| Infrared Soldering Condition    | 265°C for 5 seconds |
| Vapor Phase Soldering Condition | 215°C for 3 minutes |

**Typical electric/optical characteristics curves  
(25°C Ambient temperature unless otherwise noted)**

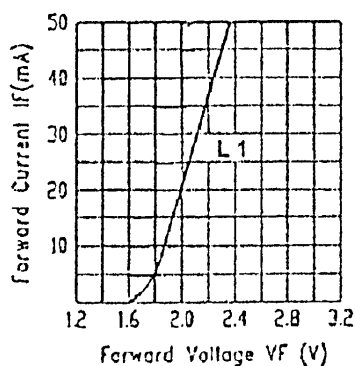


Fig.2 FORWARD CURRENT VS. FORWARD VOLTAGE

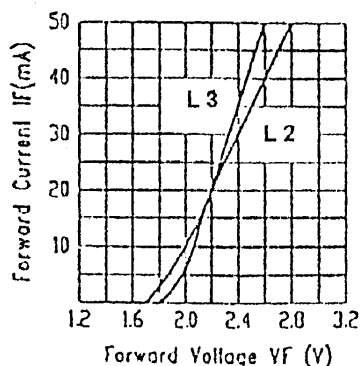


Fig.3 FORWARD CURRENT VS. FORWARD VOLTAGE

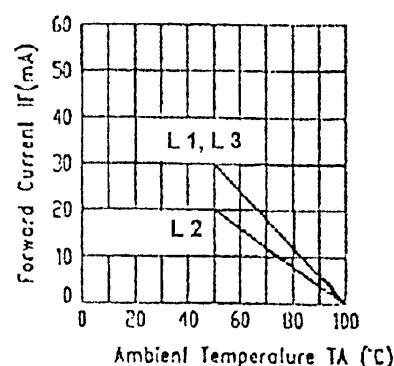


Fig.4 FORWARD CURRENT DERATING CURVE

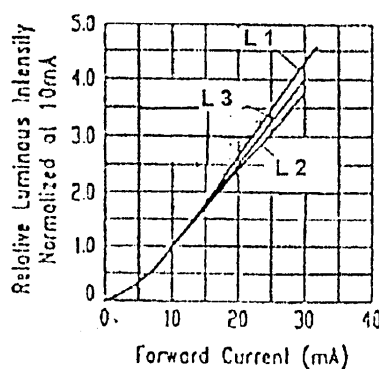


Fig.6 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

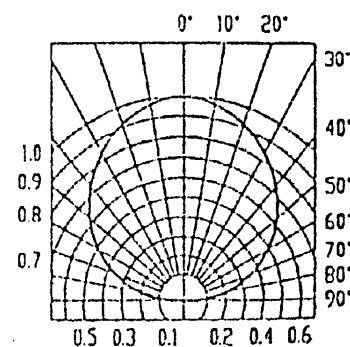


Fig.7 SPATIAL DISTRIBUTION