# Diodă LED SMD 3528, LS E6SF, roșu

Referinţă: AM3805
EAN13: -
UPC: 85414100

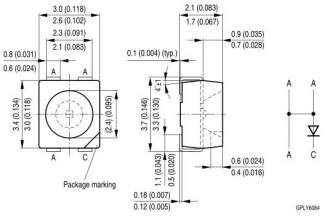
## Atributele produsului:

## Caracteristicile produsului:

Culoarea luminii: Roșu
Lungime de undă: 627-639 nm
Unghiul fasciculului: 120-130°
Actual: 100 mA
Tensiune: 1,9-2,5 V DC
Durata de viata: 50.000 de ore

## Descriere produs:

Parametrii LED-ului pot fi găsiți în specificațiile produsului.




| | |
|---|---|
| **Approximate Weight:** | 30.0 mg |
| **Package marking:** | Cathode |
| **Corrosion test:** | Class: 1B<br>Test condition: 25°C / 75 % RH / 200ppb $SO_2$, 200ppb $NO_2$, 10ppb $H_2S$, 10ppb $Cl_2$ / 21 days (EN 60068-2-60 (Method 4)) |

**Characteristics**

$I_F$ = 50 mA; $T_S$ = 25 °C

| Parameter | Symbol | | Values |
|---|---|---|---|
| Peak Wavelength | $\lambda_{peak}$ | typ. | 645 nm |
| Dominant Wavelength [3]<br>$I_F$ = 50 mA | $\lambda_{dom}$ | min.<br>typ.<br>max. | 627 nm<br>633 nm<br>639 nm |
| Spectral Bandwidth at 50% $I_{rel,max}$ | $\Delta\lambda$ | typ. | 16 nm |
| Viewing angle at 50% $I_V$ | $2\varphi$ | typ. | 120 ° |
| Forward Voltage [4]<br>$I_F$ = 50 mA | $V_F$ | min.<br>typ.<br>max. | 1.90 V<br>2.15 V<br>2.50 V |
| Reverse current [2]<br>$V_R$ = 12 V | $I_R$ | typ.<br>max. | 0.01 µA<br>10 µA |
| Temperature Coefficient of Peak Wavelength<br>-10°C ≤ T ≤ 100°C | $TC_{lpeak}$ | typ. | 0.15 nm / K |
| Real thermal resistance junction/solderpoint [5] | $R_{thJS\ real}$ | typ.<br>max. | 110 K / W<br>130 K / W |
| Electrical thermal resistance junction/solderpoint [5]<br>with efficiency $\eta_e$ = 29 % | $R_{thJS\ elec.}$ | typ.<br>max. | 78 K / W<br>92 K / W |

**Maximum Ratings**

| Parameter | Symbol | | Values |
|---|---|---|---|
| Operating Temperature | $T_{op}$ | min.<br>max. | -40 °C<br>110 °C |
| Storage Temperature | $T_{stg}$ | min.<br>max. | -40 °C<br>110 °C |
| Junction Temperature | $T_j$ | max. | 125 °C |
| Forward current<br>$T_S$ = 25 °C | $I_F$ | max. | 70 mA |
| Surge Current<br>t ≤ 10 µs; D = 0.005 ; $T_S$ = 25 °C | $I_{FS}$ | max. | 100 mA |
| Reverse voltage [2]<br>$T_S$ = 25 °C | $V_R$ | max. | 12 V |
| ESD withstand voltage<br>acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 2) | $V_{ESD}$ | | 2 kV |