# SMD LED-diod 3528, LS E6SF, röd

**Produktkoder:**

Produktkod: AM3805
EAN13: -
HS-kod: 85414100

**Produktparametrar:**

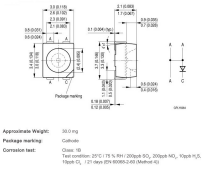
Ljusets färg: Röd
Våglängd: 627-639 nm
Ljusets vinkel: 120-130°
Aktuellt: 100 mA
Spänning: 1,9-2,5 V DC
Livstid: 50 000 timmar

**Produktvarianter:**

**Produktbeskrivning:**

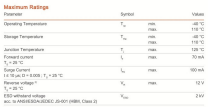
LED-parametrarna finns i produktspecifikationen.

**Galerie:**



**Characteristics**
$I_F$ = 50 mA, $T_a$ = 25 °C

| Parameter | Symbol | | Values |
|---|---|---|---|
| Peak Wavelength | $\lambda_{peak}$ | typ. | 640 nm |
| Dominant Wavelength [1] $I_F$ = 50 mA | $\lambda_{dom}$ | min. | 627 nm |
| | | typ. | 633 nm |
| | | max. | 639 nm |
| Spectral Bandwidth at 50% $I_{F,peak}$ | $\Delta\lambda$ | typ. | 16 nm |
| Viewing angle at 50% $I_v$ | $2\varphi$ | typ. | 120 ° |
| Forward Voltage [2] $I_F$ = 50 mA | $V_F$ | min. | 1.90 V |
| | | typ. | 2.20 V |
| | | max. | 2.50 V |
| Reverse current [3] $V_R$ = 10 V | $I_R$ | typ. | 0.01 µA |
| | | max. | 10 µA |
| Temperature Coefficient of Peak Wavelength -10°C ≤ T ≤ 100°C | $TC_{\lambda peak}$ | typ. | 0.15 nm / K |
| Real thermal resistance junction/solderpoint [4] | $R_{th\ JS\ real}$ | typ. | 110 K / W |
| | | max. | 130 K / W |
| Electrical thermal resistance junction/solderpoint [5] with efficiency $\eta_e$ = 20 % | $R_{th\ JS\ el}$ | typ. | 70 K / W |
| | | max. | 82 K / W |



**Maximum Ratings**

| Parameter | Symbol | | Values |
|---|---|---|---|
| Operating Temperature | $T_{op}$ | min. | -40 °C |
| | | max. | 110 °C |
| Storage Temperature | $T_{stg}$ | min. | -40 °C |
| | | max. | 110 °C |
| Junction Temperature | $T_j$ | max. | 125 °C |
| Forward current $T_S$ = 25 °C | $I_F$ | max. | 70 mA |
| Pulse forward current $t \leq 10$ µs, D = 0.005 , $T_S$ = 25 °C | $I_{FM}$ | max. | 150 mA |
| Reverse voltage [3] $T_S$ = 25 °C | $V_R$ | max. | 12 V |
| ESD withstand voltage acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 2) | $V_{ESD}$ | | 2 kV |