

# SMD LED Diode 3528, LS E6SF, rød

Produktkode: AM3805

EAN13: -

HS-kode: 85414100

## Produktvarianter:



## Produktparametre:

Farve af lys: Rød

Bølgelængde: 627-639 nm

Vinkel af lys: 120-130°

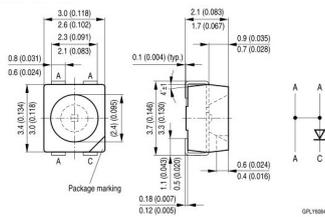
Nuværende: 100 mA

Spænding: 1,9-2,5 V DC

Livstid: 50.000 timer

## Produktbeskrivelse:

LED-parametrene kan findes i produktspecifikationen.



Approximate Weight: 30.0 mg

Package marking: Cathode

Corrosion test: Class: 1B  
Test condition: 25°C / 75% RH / 200ppb SO<sub>2</sub> / 200ppb NO<sub>x</sub> / 10ppb H<sub>2</sub>S, 10ppb Cl<sub>2</sub> / 21 days (EN 60068-2-60 (Method 4))

### Characteristics

I<sub>f</sub> = 50 mA; T<sub>j</sub> = 25 °C

Parameter	Symbol	Values
Peak Wavelength	$\lambda_{peak}$	typ. 645 nm
Dominant Wavelength <sup>(1)</sup>	$\lambda_{dom}$	min. 627 nm typ. 633 nm max. 639 nm
Spectral Bandwidth at 50% I <sub>o,max</sub>	$\Delta\lambda$	typ. 16 nm
Viewing angle at 50% I <sub>f</sub>	2 $\theta$	typ. 120 °
Forward Voltage <sup>(1)</sup>	V <sub>f</sub>	min. 1.90 V typ. 2.15 V max. 2.50 V
Reverse current <sup>(2)</sup>	I <sub>r</sub>	typ. 0.01 $\mu$ A max. 10 $\mu$ A
Temperature Coefficient of Peak Wavelength -10°C $\leq$ T <sub>j</sub> $\leq$ 100°C	TC <sub>peak</sub>	typ. 0.15 nm / K
Real thermal resistance junction/solderpoint <sup>(3)</sup>	R <sub>th(j-s)</sub>	typ. 110 K / W max. 130 K / W
Electrical thermal resistance junction/solderpoint <sup>(3)</sup> with efficiency $\eta_e = 29\%$	R <sub>th(e-s)</sub>	typ. 78 K / W max. 92 K / W

### Maximum Ratings

Parameter	Symbol	Values
Operating Temperature	T <sub>op</sub>	min. -40 °C max. 110 °C
Storage Temperature	T <sub>stg</sub>	min. -40 °C max. 110 °C
Junction Temperature	T <sub>j</sub>	max. 125 °C
Forward current	I <sub>f</sub>	max. 70 mA
T <sub>j</sub> = 25 °C		
Surge Current	I <sub>sm</sub>	max. 100 mA
1.5 $\mu$ s, D = 0.005; T <sub>j</sub> = 25 °C		
Reverse voltage <sup>(1)</sup>	V <sub>r</sub>	max. 12 V
T <sub>j</sub> = 25 °C		
ESD withstand voltage acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 2)	V <sub>esd</sub>	2 kV