

Diodo LED SMD 3528, LS E6SF, rosso

Riferimento: AM3805

EAN13: -

UPC: 85414100

Caratteristiche del prodotto:

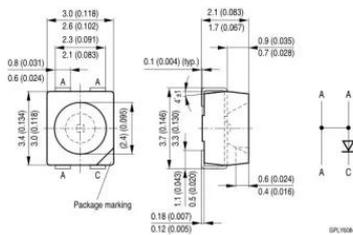
Caratteristiche del prodotto:

Colore della luce: Rosso
 Lunghezza d'onda: 627-639nm
 Angolo di luce: 120-130°
 Attuale: 100 mA
 Tensione: 1.9-2.5V DC
 Vita: 50.000 ore



Descrizione del prodotto:

I parametri dei LED sono riportati nelle specifiche del prodotto.



Approximate Weight: 30.0 mg
 Package marking: Cathode
 Class: 1B
 Corrosion test: Class: 1B
 Test condition: 25°C / 75 % RH / 200ppb SO₂, 200ppb NO_x, 10ppb H₂S, 10ppb Cl₂ / 21 days (EN 60068-2-60 (Method 4))

Characteristics

$I_f = 50 \text{ mA}; T_j = 25^\circ \text{C}$

Parameter	Symbol	Values
Peak Wavelength	λ_{peak}	typ. 645 nm
Dominant Wavelength ⁽¹⁾	λ_{dom}	min. 627 nm typ. 633 nm max. 639 nm
$I_f = 50 \text{ mA}$		
Spectral Bandwidth at 50% $I_{f, max}$	$\Delta\lambda$	typ. 16 nm
Viewing angle at 50% I_f	2θ	typ. 120 °
Forward Voltage ⁽¹⁾	V_f	min. 1.90 V typ. 2.15 V max. 2.50 V
$I_f = 50 \text{ mA}$		
Reverse current ⁽²⁾	I_r	typ. 0.01 μA max. 10 μA
$V_r = 12 \text{ V}$		
Temperature Coefficient of Peak Wavelength -10°C ≤ T ≤ 100°C	$TC_{\lambda_{peak}}$	typ. 0.15 nm / K
Real thermal resistance junction/solderpoint ⁽¹⁾	$R_{th(j-s)}$	typ. 110 K / W max. 130 K / W
Electrical thermal resistance junction/solderpoint ⁽¹⁾ with efficiency $\eta_e = 29\%$	$R_{th(e-s)}$	typ. 78 K / W max. 92 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	min. -40 °C max. 125 °C
Forward current $T_j = 25^\circ \text{C}$	I_f	max. 70 mA
Surge Current t ≤ 10 $\mu\text{s}; D = 0.005; T_j = 25^\circ \text{C}$	I_{sm}	max. 100 mA
Reverse voltage ⁽¹⁾ $T_j = 25^\circ \text{C}$	V_r	max. 12 V
ESD withstand voltage acc. to ANSI/ESDA/JEDEC JS-001 (HBM, Class 2)	V_{ESD}	2 kV