SMD LED-diod 3528, LS E6SF, röd

Produktkod: AM3805
EAN13: -
HS-kod: 85414100

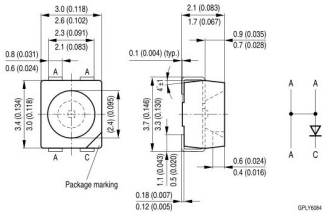
Produktvarianter:

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

Produktbeskrivning:

LED-parametrarna finns i produktspecifikationen.



Approximate Weight:	30.0 mg
Package marking:	Cathode
Corrosion test:	Class: 1B 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	λ_{peak}	typ.	645 nm
Dominant Wavelength [3] I_F = 50 mA	λ_{dom}	min. typ. max.	627 nm 633 nm 639 nm
Spectral Bandwidth at 50% $I_{rel,max}$	$\Delta\lambda$	typ.	16 nm
Viewing angle at 50% I_V	2φ	typ.	120 °
Forward Voltage [4] I_F = 50 mA	V_F	min. typ. max.	1.90 V 2.15 V 2.50 V
Reverse current [2] V_R = 12 V	I_R	typ. max.	0.01 µA 10 µA
Temperature Coefficient of Peak Wavelength -10°C ≤ T ≤ 100°C	TC_{lpeak}	typ.	0.15 nm / K
Real thermal resistance junction/solderpoint [5]	$R_{thJS\ real}$	typ. max.	110 K / W 130 K / W
Electrical thermal resistance junction/solderpoint [5] with efficiency η_e = 29 %	$R_{thJS\ elec.}$	typ. max.	78 K / W 92 K / W

Maximum Ratings

Parameter	Symbol		Values
Operating Temperature	T_{op}	min. max.	-40 °C 110 °C
Storage Temperature	T_{stg}	min. max.	-40 °C 110 °C
Junction Temperature	T_j	max.	125 °C
Forward current T_S = 25 °C	I_F	max.	70 mA
Surge Current t ≤ 10 µs; D = 0.005 ; T_S = 25 °C	I_{FS}	max.	100 mA
Reverse voltage [2] 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