SMD-LED-Diode 3528, LS E6SF, Rot

Produktcodes:

Artikel-Nr.: AM3805
EAN13: -
HS kód: 85414100

Produktparameter:

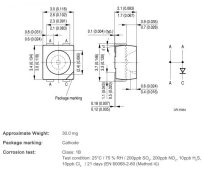
Helle Farbe: Rot
Wellenlänge: 627-639 nm
Winkel des Lichts: 120-130°
Aktuell: 100 mA
Spannung: 1,9-2,5 V DC
Lebensspanne: 50.000 Stunden

Produktvarianten:

Beschreibung des Produkts:

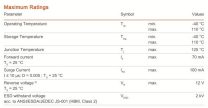
Die LED-Parameter finden Sie in der Produktspezifikation.

Galerie:



Characteristics
I_F = 50 mA, T_S = 25 °C

Parameter	Symbol		Values
Peak Wavelength	λ_{peak}	typ.	645 nm
Dominant Wavelength [1] I_F = 50 mA	λ_{dom}	min.	627 nm
		typ.	633 nm
		max.	639 nm
Spectral Bandwidth at 50% $I_{F,max}$	$\Delta\lambda$	typ.	16 nm
Viewing angle at 50% I_v	2φ	typ.	120 °
Forward Voltage [2] I_F = 50 mA	V_F	min.	1.90 V
		typ.	2.25 V
		max.	2.50 V
Reverse current [3] V_R = 12 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 η_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