SMD LED Diode 3528, LS E6SF, Red

Product codes:

Reference: AM3805
EAN13: -
UPC: 85414100

Product features:

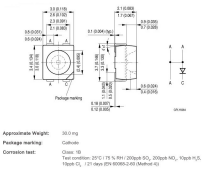
Light color: Red
Wavelength: 627-639 nm
Angle of light: 120-130°
Current: 100 mA
Voltage: 1.9-2.5 V DC
Lifetime: 50,000 hours

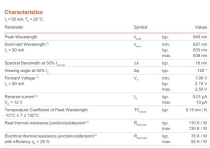
Product attributes:

Product description:

The LED parameters can be found in the product specification.

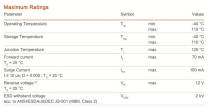
Product gallery:





Characteristics
I_F = 50 mA, T_a = 25 °C

Parameter	Symbol		Values
Peak Wavelength	λ_{peak}	typ.	640 nm
Dominant Wavelength [1] I_F = 50 mA	λ_{dom}	min.	627 nm
		typ.	633 nm
		max.	639 nm
Spectral Bandwidth at 50% $I_{F,peak}$	$\Delta\lambda$	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.	2.20 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 %	$R_{th\ JS\ elec}$	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.	100 mA
Reverse voltage [6] 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