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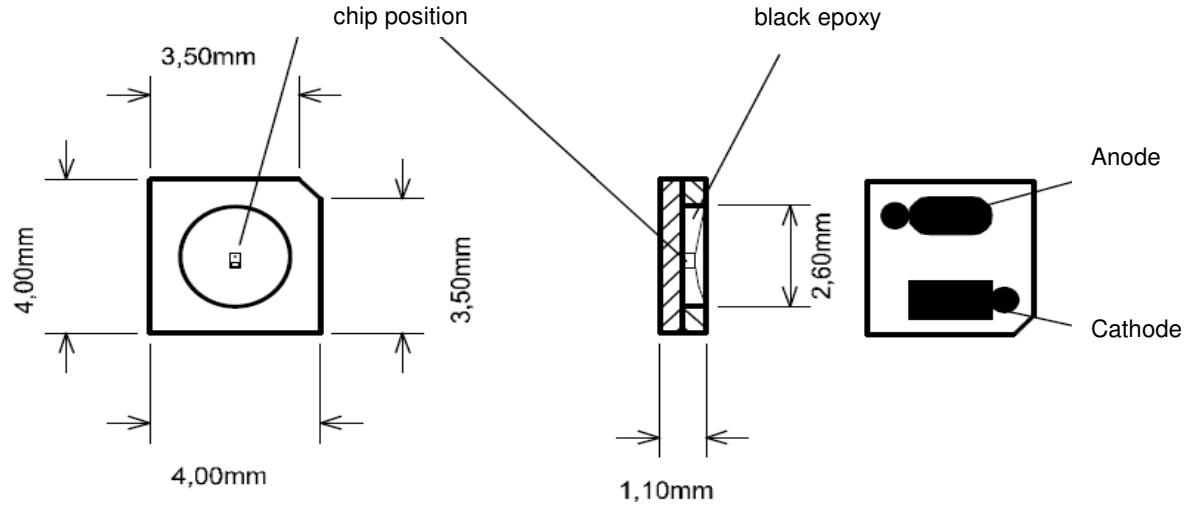
Data Sheet

SMD-LED red PS EOLS-625-192-25

Rev. 02, 2017

Radiation	Type	Case
Red	Point-source LED Ø25 µm, AlInGaP/GaAs	SMD 4040 (1515)



Description

The point source LED is the ideal point-light source for various applications wherever a large light emitting area is not wanted. Customized solutions with other chips are available on request for higher quantities.

Features and benefits

- Homogenous light point
- Wide viewing angle
- For references on all mechanical equipment
- Light emitting area only 0.025 mm diameter

Maximum Ratings

T_{amb}= 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current*		I_F	5	mA
Operating temperature range		T_{amb}	-25 to +80	°C
Storage temperature range		T_{stg}	-25 to +120	°C
Junction temperature*		T_{slg}	120	°C
Soldering temperature	<10 s	T_{sold}	260	°C

*Adequate heat sink is required. Derating must be observed to maintain junction temperature below maximum.

RoHS COMPLIANT Pb Pb-Free

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Optical and Electrical Characteristics

T_{amb}= 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F= 5 mA		2.15	2.55	V
Reverse voltage	V_R	I_F= 10 µA	5			V
Reverse current	I_R	V_F= 5 V			100	µA
Luminous Intensity	I_V	I_F= 0.5 mA		250		µcd
Luminous Intensity	I_V	I_F= 5 mA	4	6		mcd
Dominant wavelength	λ_D	I_F= 5 mA	618	625	630	nm
Viewing angle	φ	I_F= 5 mA		120		deg

Art. No. 133 141