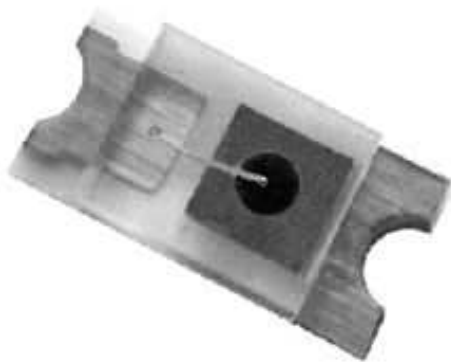


CERLED[®]

SMD Chip LED

High Power Output
SR 10 UR Ultra Red -H*

*RoHS-Compliant

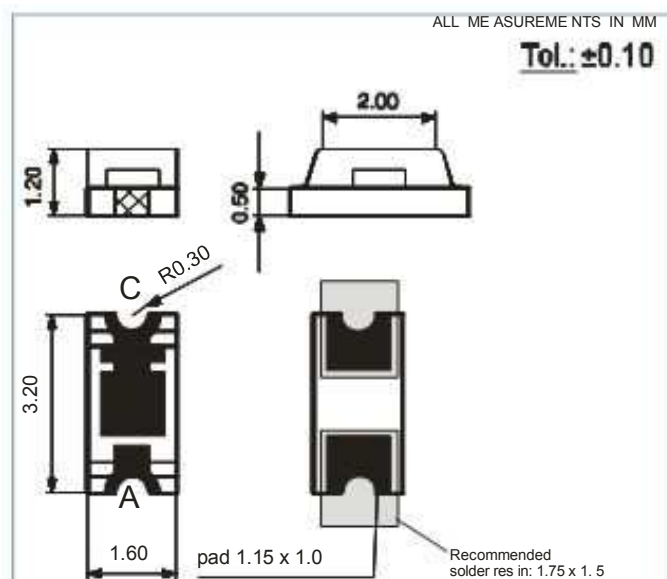


Description

The solder pads provide an excellent heat sink. Ideal for sensor applications.

Small true Chip - LED to build custom configurations.

Available on special order in 8 mm blister tape.



Features and Benefits

- ▶ Chip on PCB, surface mounting device
- ▶ Center chip position, also available ± 0.05 mm
- ▶ End - to - end and side - to - side stackable down to a pitch of 1.6 mm

Maximum Ratings at 25° C

Power dissipation	P _{tot}	70 mW
Peak forward current	I _{FSM} (10 µs)	400 mA
Continuous forward current	I _F	30 mA
Junction temperature	T _j	120° C
Storage temperature	T _{st}	-25° C to 120° C
Operating temperature	T _{op}	-25° C to 80° C
Soldering temperature	T _{sold} (10 s)	245° C

Adequate heat sink is required. Derating must be observed to maintain junction temperature below maximum. Please note our recommended solder profile at www.excelitas.com.

Optical and Electronic Characteristics at 25° C

I_F = 20 mA, ambient temperature = 25° C

	min	typ	max	unit
Luminous intensity	25	50		mcd
Peak emission wavelength		660		nm
Spectral half bandwidth		20		nm
Forward voltage		1.8	2.2	V
Reverse leakage			100	µA
Reverse voltage	5			V

Note: according IEC 60825-1 (EN60825):

LED Radiation

Do not view directly with optical instruments.

Orientation of taped parts: anode to perforation

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