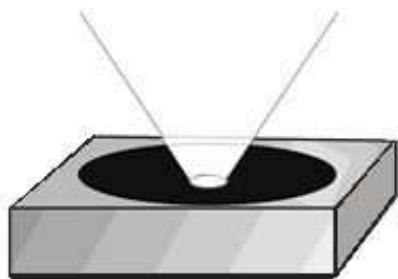


CERLED® Point Light LED

PL 05 R
Red

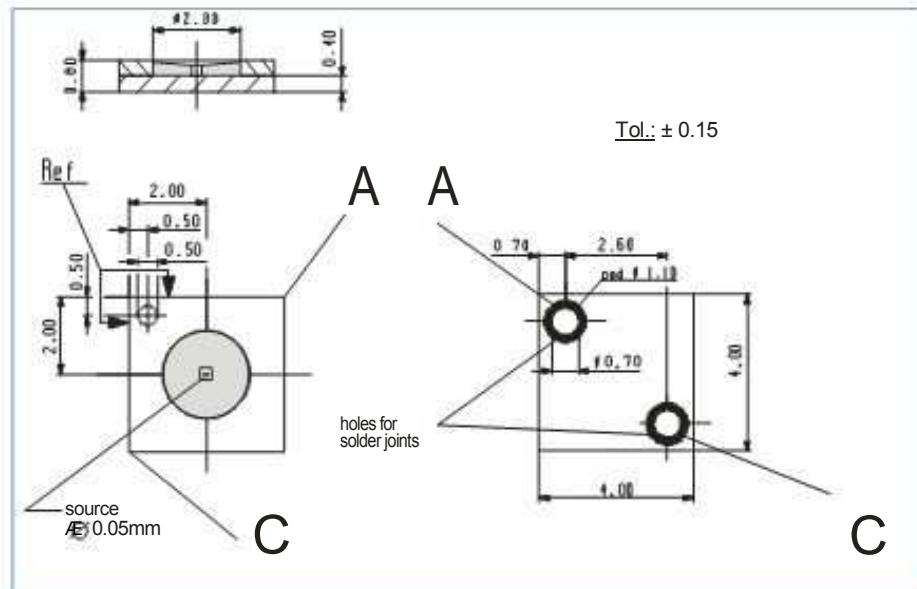


Description

The Point Light 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 0.05 mm diameter



Maximum Ratings at 25° C

Continuous forward current	I _F	15 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)	260° 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 = 10 mA, ambient temperature = 25° C

	Symbol	min	typ	max	unit
Radiant Power	Φ _e	80	150		μW
Peak emission wavelength	λ _e	645	655	665	nm
Spectral half bandwidth	Δλ _e	5	20		nm
Forward voltage	V _F		1.9	2.6	V
Reverse voltage (at I _R =10μA)	V _R	5			V
Light emission angle	2θ _{1/2}		120°		Degree

Note: according 60825-1 (EN60825):

LED Radiation

Do not view directly with optical instruments.

Excelitas Technologies
European Customer
Support for LED Solutions
Luitpoldstrasse 6
85276 Pfaffenholz, Germany
Telephone: (+49)8441-8917-0
Fax: (+49)8441-71910
generalinquiries@excelitas.com

European Headquarters
Wenzel-Jaksch-Strasse 31
65199 Wiesbaden, Germany
Telephone: (+49)611-492-247
Fax: (+49)611-492-170

North America
Customer Support Hub
22001 Dumberry Road
Vaudreuil-Dorion, Québec
Canada J7V 8P7
Telephone: (+1) 450-424-3300
(+1) 866-574-6786 (toll-free)
Fax: (+1) 450-424-3345

Asia Customer Service Hub
47 Ayer Rajah Crescent #06-12
Singapore 139947
Telephone: (+65)6775-2022
(+65)67704-366
Fax: (+65)6775-1008

EXCELITAS
TECHNOLOGIES

For a complete listing of our global offices, visit www.excelitas.com

©2011 Excelitas Technologies Corp. All rights reserved. The Excelitas logo and design are registered trademarks of Excelitas Technologies Corp. CERLED® is a trademark of Excelitas Technologies Corp. or its subsidiaries, in the United States and other countries. All other trademarks not owned by Excelitas Technologies Corp. or its subsidiaries that are depicted herein are the property of their respective owners. Excelitas reserves the right to change this document at any time without notice and disclaims liability for editorial, pictorial or typographical errors.
600173_01 DTS1208