



Distributed by **Boston Electronics Corporation**
 91 Boylston St, Brookline, MA 02445 USA
 (617)566-3821 or (800)347-5445 ** fax (617)731-0935
irsouce@boselec.com www.boselec.com

Specifications (T=22 °C)

Optically Immersed 3.0 μm LED in heat-sink optimized housing			LED30SC	
Peak wavelength	λ	μm	2.95±0.07	
Spectral width FWHM		μm	0.5±0.05	
Current test conditions:	Pulse duration	τ	≤10	
	Pulse period	T	≥1000	
Voltage at drive current I=1 A	U _{pulse}	V	0.4 to 0.6	
Pulsed power at I=1 A	P _{pulse}	μW	≥200	
CW power at I=200 mA (attached to a heatsink)	P _{CW}	μW	≥40	
Switching time	τ	ns	≤20	

Package Detail

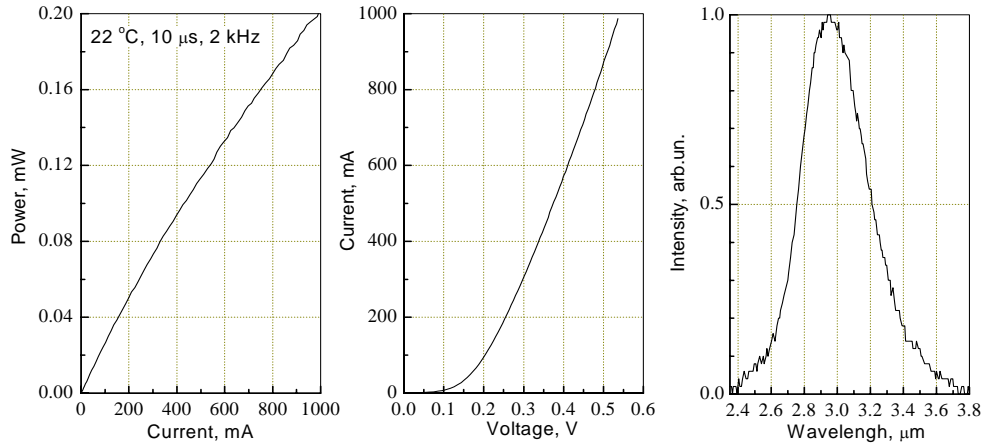
Package code	Thread	Emission size	Far-field pattern FWHM	Far-field pattern deviation	Operation (storage) conditions	Polarity
		mm	deg.	deg.	°C	
Screw	M5x0.5	∅ 3.2	≤40	±10	-25++60 (+80)	short wire or black point is negative

Package photo		
		M5 thread on barrel/base

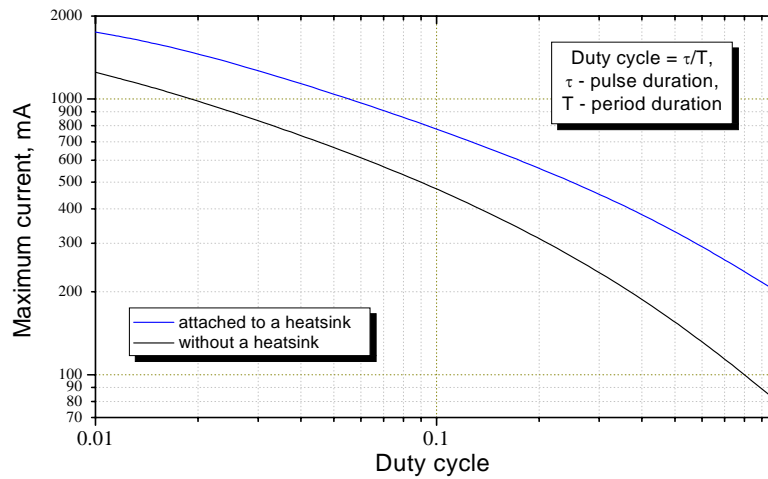
Available accessories include driver electronics and detectors.

Available wavelengths include 3.0, 3.4, 3.6, 4.2, 4.7 and 5.4 μm.

Current-voltage curve, current dependences of the output power; and emission spectrum at 22 °C.



Max current vs. operation conditions



Output power and emission spectra maximum vs. temperature and far-field pattern

