



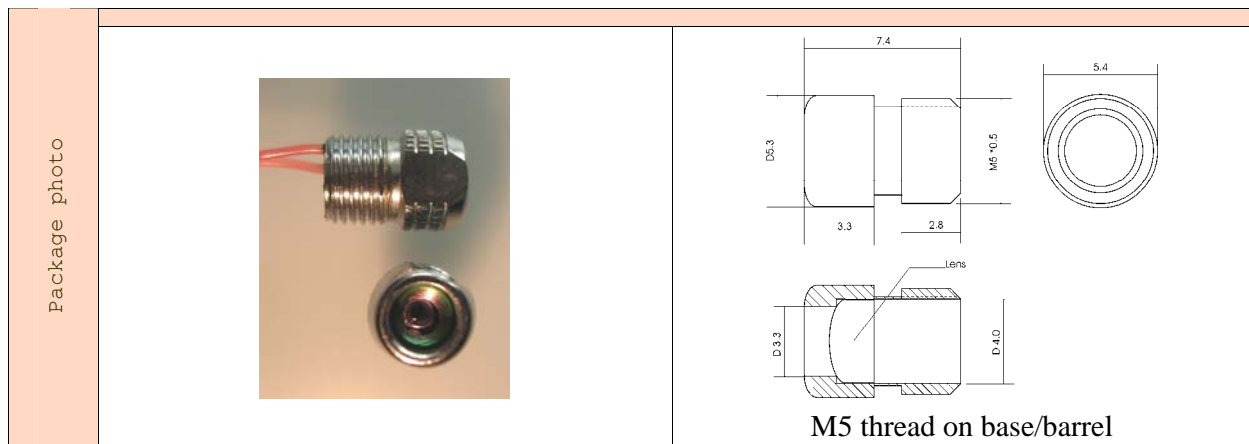
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 91 Boylston St, Brookline, MA 02445 USA
 (617)566-3821 or (800)347-5445 ** fax (617)731-0935
irsouce@boselec.com www.boselec.com

Specifications (T=22 °C)

Optically Immersed 3.8 μm LED in heat-sink optimized housing			LED38SC
Peak wavelength	λ	μm	3.8±0.05
Spectral width FWHM		μm	0.5±0.05
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	250 to 350
CW power at I=200 mA (attached to a heatsink)	P _{CW}	μW	75 to 100
Switching time	τ	ns	≤20

Package detail

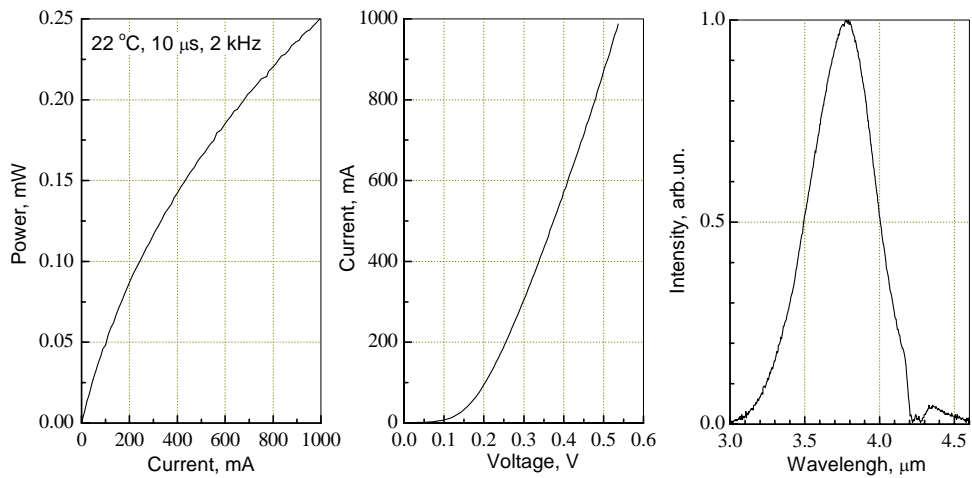
Package code	Thread	Emission size	Far-field pattern FWHM	Far-field pattern deviation	Operation (storage) conditions	Polarity
		mm	deg.	deg.	°C	
Screw	M5×0.5	∅ 3.2	≤40	±10	-25÷+60 (+80)	short wire or black point is negative



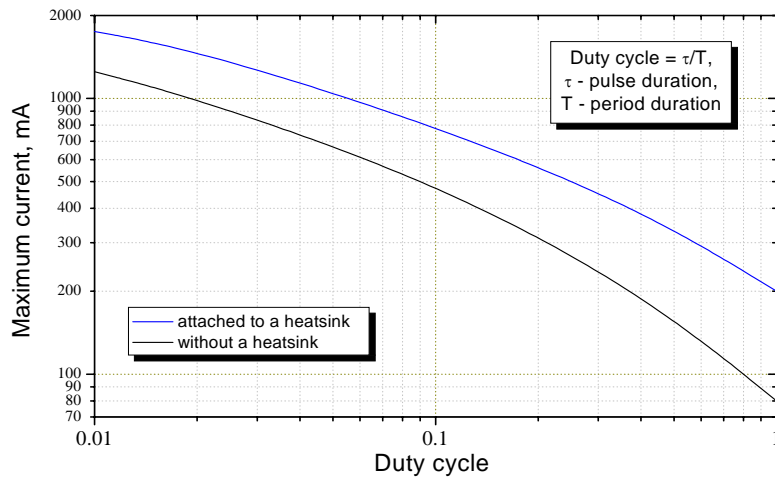
Available accessories include driver electronics and detectors.

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

Current-voltage curve, current dependency of 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

