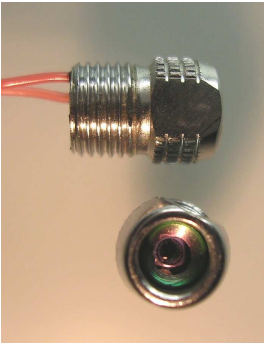
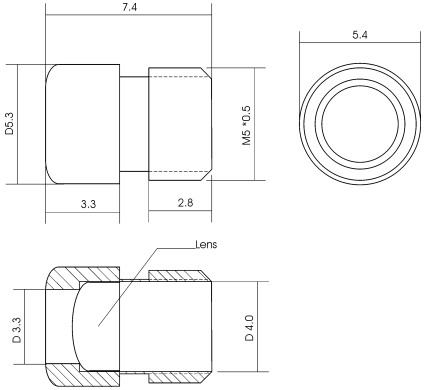


LED54SC

Specifications (T=22 °C)						
Optically Immersed 5.4 μm LED				LED54SC		
In heat sink optimized housing						
Peak wavelength		λ	μm	5.4 ± 0.15		
Spectral width FWHM			μm	0.6 ± 0.05		
Current test conditions:	Pulse duration	τ	μs	≤ 10		
	Pulse period	T		≥ 1000		
Voltage at drive current I=1 A		U_{pulse}	V	0.4 to 0.7		
Pulsed power at I=1 A		P_{pulse}	μW	≥ 25		
CW power at I=200 mA (attached to a heatsink)		P_{CW}	μW	≥ 5		
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 to+60 (+80)	short wire or black point is negative

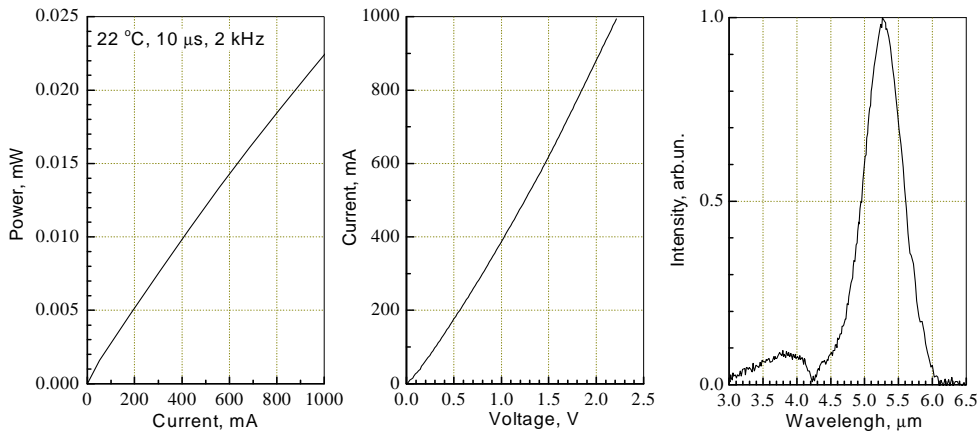
Package photo				
			M5 thread on OD	

Available accessories include driver electronics and detectors.

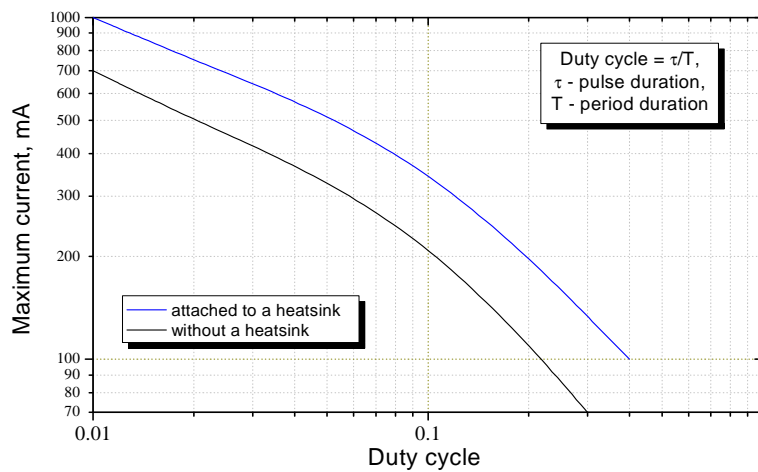
Available wavelengths include 1.9, 2.2, 3.0, 3.4, 3.6, 3.8, 4.2, and 4.7μm.

LED54SC

Current-voltage curve, current dependence 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

