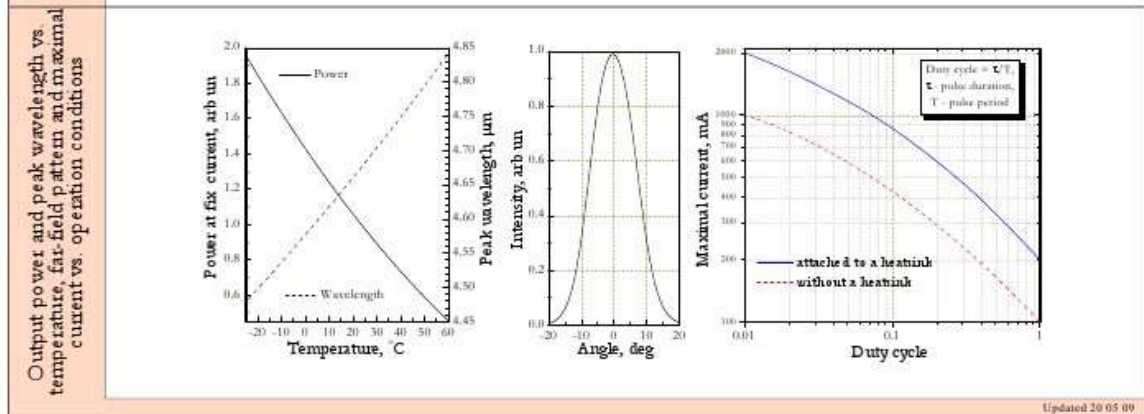
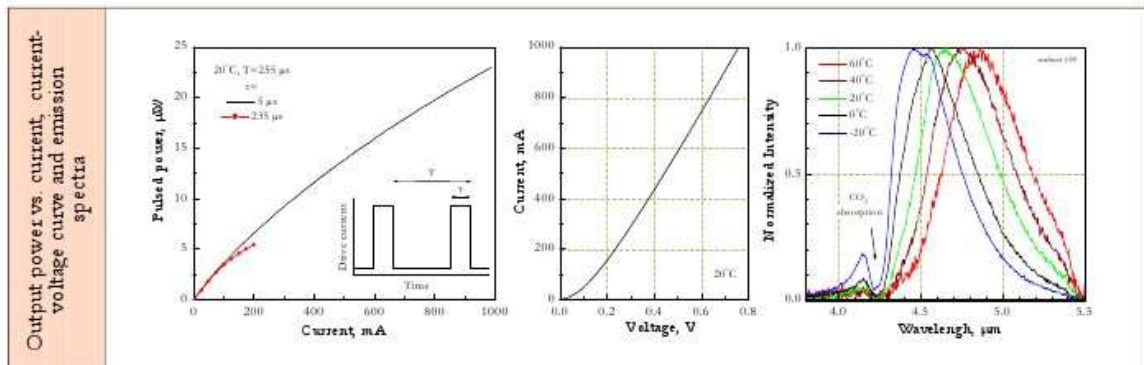


Optically Immersed 4.7 μm LED in heat-sink optimized housing				LED47Sr	
Peak wavelength	λ_{max}	μm	4.7 \pm 0.1		
Pulsed power at I=1 A	P_{pulsed}	μW	25 \pm 5		
CW power at I=200 mA	P_{CW}	μW	5 \pm 1		
Switching time	τ	ns	\leq 20		

Code	Thread	Emission size, mm	Lens material	Far-field pattern FWHM, deg	Optical axis deviation, deg	Operation (storage) conditions, °C
LED47Sr	M5x0.5	\varnothing 3.3	Si	\leq 20	\leq 7	-25+60 (+80)
LED47T08TEC			Si lens and sapphire window			

	LED47Sr	LED47T08TEC
Product view		
		<p>1 TEC -, 4 TEC + 8 LED +, 13 LED - 10, 11 thermosens or</p>
	<ul style="list-style-type: none"> ✓ All devices are stressed at 80°C (I=0) and I=150 mA (CW, 20°C) for 10 hrs before final test and shipping to a customer ✓ Beam divergence of the LEDs is small and thus we recommend adjusting LED position regarding to the detector system before final evaluation/use of the devices ✓ All data are valid for room temperature (22°C) and LED attached to a heatsink. Heatsink is important for normal LED operation especially in the CW mode 	



Updated 20.05.09