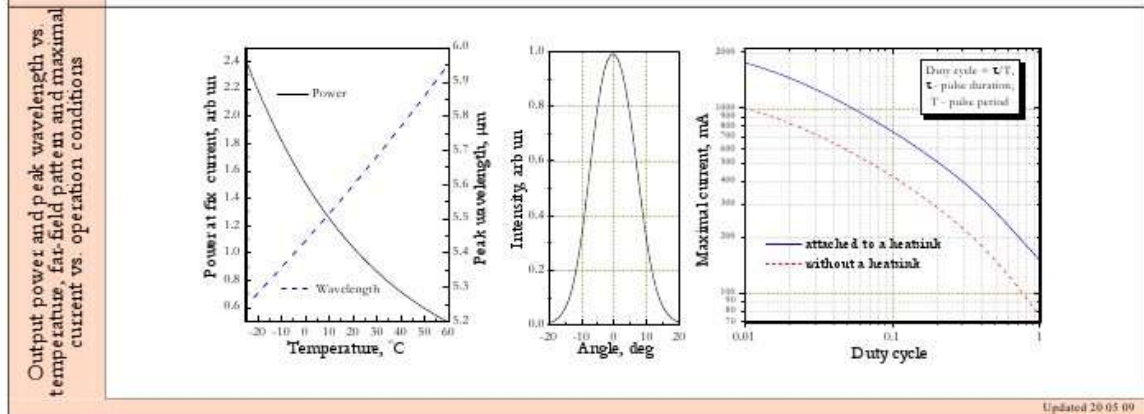
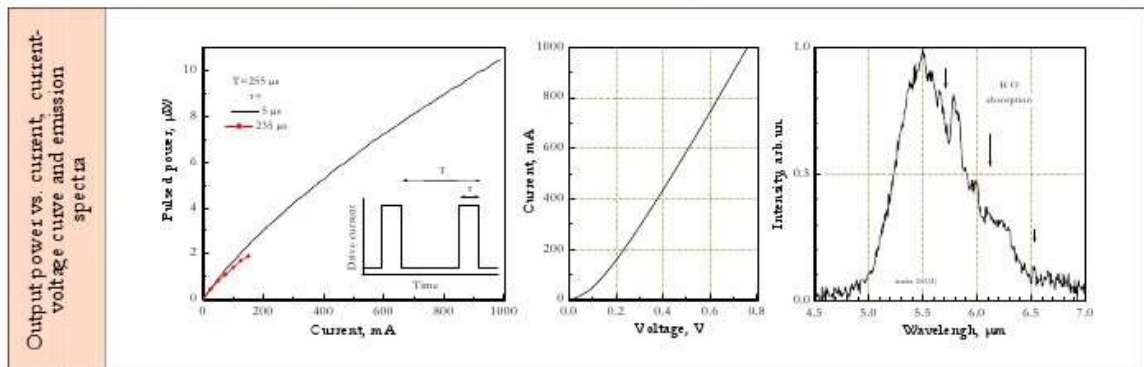


Optically Immersed 5.5 $\mu\text{m}$ LED in heat-sink optimized housing				LED55Sr	
Peak wavelength	$\lambda_{\text{max}}$	$\mu\text{m}$	5.5-5.7		
Pulsed power at I=1 A	$P_{\text{pulsed}}$	$\mu\text{W}$	$10 \pm 2$		
CW power at I=150 mA	$P_{\text{CW}}$	$\mu\text{W}$	$2 \pm 0.5$		
Switching time	$\tau$	ns	$\leq 20$		

Code	Thread	Emission size, mm	Lens material	Far-field pattern FWHM, deg	Optical axis deviation, deg	Operation (storage) conditions, °C
LED55Sr	M5x0.5	$\varnothing 3.3$	Si	$\leq 20$	$\leq 7$	-25+60 (+80)
LED55T08TEC			Si lens and sapphire window			

	LED55Sr	LED55T08TEC
Product view		
		1 TEC -, 4 TEC + 8 LED +, 13 LED - 10, 11 thermosens or
	<ul style="list-style-type: none"> <li>✓ 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</li> <li>✓ 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</li> <li>✓ 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</li> <li>✓ Polarity: see Product view. In near future two color wires will be used.</li> </ul>	



Updated 20.05.09