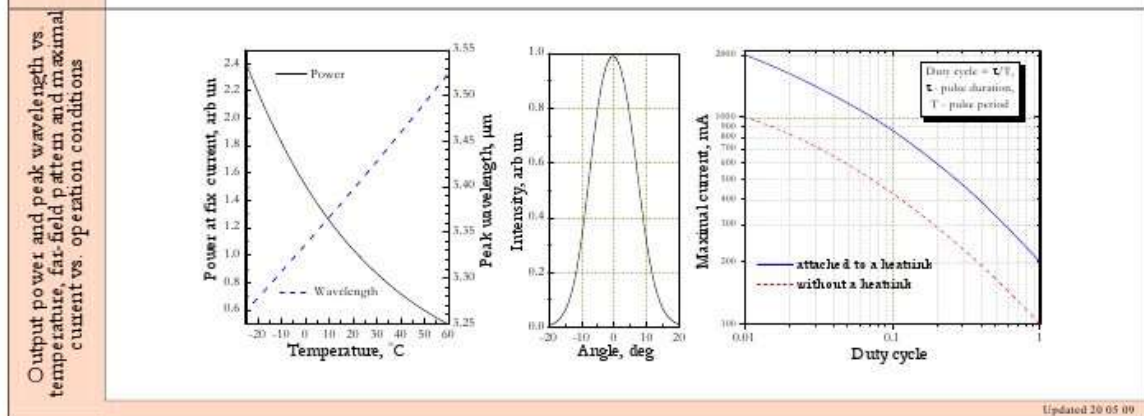
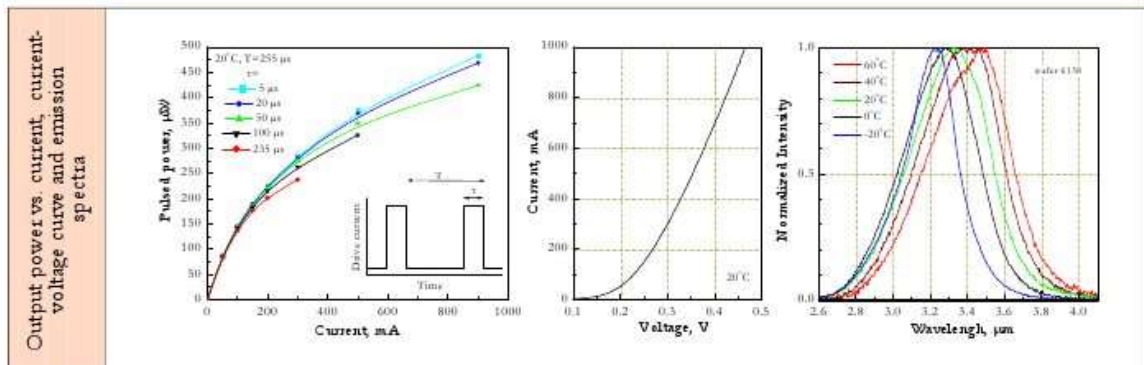


Optically Immersed 3.4 $\mu\text{m}$ LED in heat-sink optimized housing				LED34Sr
Peak wavelength	$\lambda_{\text{max}}$	$\mu\text{m}$		$3.4 \pm 0.05$
Pulsed power at I=1 A	$P_{\text{pulsed}}$	$\mu\text{W}$		$500 \pm 100$
CW power at I=200 mA	$P_{\text{CW}}$	$\mu\text{W}$		$200 \pm 40$
Switching time	$\tau$	ns		$\leq 20$

Code	Thread	Emission size, mm	Lens material	Far-field pattern FWHM, deg	Optical axis deviation, deg	Operation (storage) conditions, °C
LED34Sr	M5x0.5	$\varnothing 3.3$	Si	$\leq 20$	$\leq 7$	-25 +60 (+80)
LED34T08TEC			Si lens and quartz window			

	LED34Sr	LED34T08TEC
Product view		<p>1 TEC -, 4 TEC + 8 LED +, 13 LED - 10, 11 thermosens or</p>

- ✓ All devices are stressed at 80°C (I=0) and I=200 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