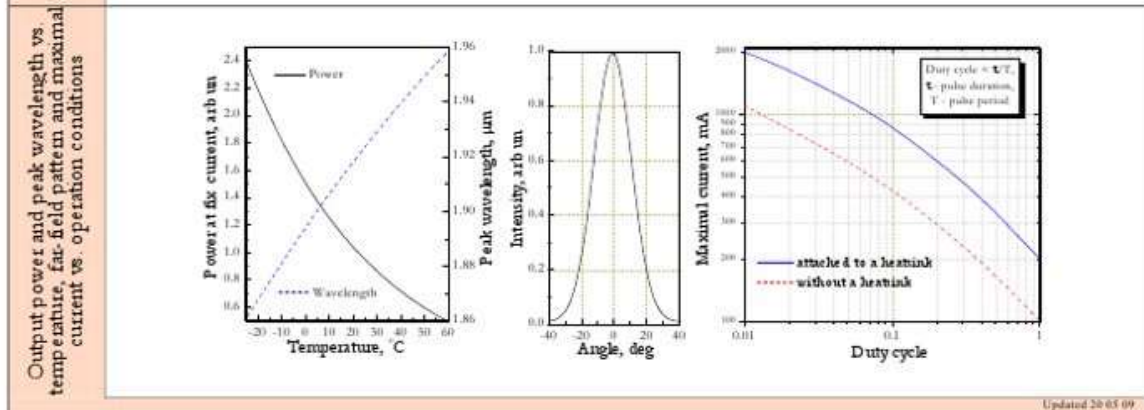
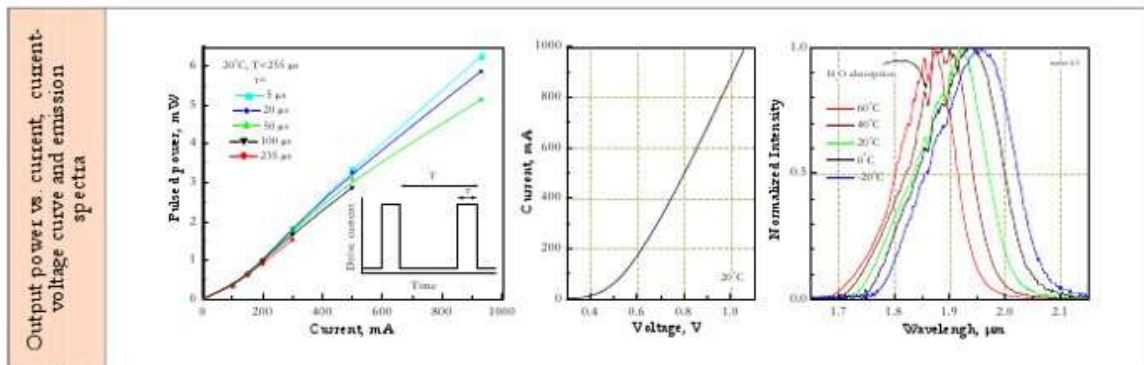


Optically Immersed 1.9 μm LED in heat-sink optimized housing				LED19Sr	
Peak wavelength	λ_{max}	μm		1.95 \pm 0.05	
Pulsed power at I=1 A	P_{pulsed}	mW		6.0 \pm 1.2	
CW power at I=200 mA	P_{CW}	mW		1.0 \pm 0.2	
Switching time	τ	ns		\leq 20	

Code	Thread	Emission size, mm	Lens material	Far-field pattern FWHM, deg	Optical axis deviation, deg	Operation (storage) conditions, °C
LED19Sr	M5x0.5	\varnothing 3.3	Si	\leq 20	\leq 7	-25+60 (+80)
LED19T08TEC			Si lens and quartz window			

	LED19Sr	LED19T08TEC
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



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The Barn, 10A Silver Street, Bradford on Avon, BA15 1JY, England
 Tlf: +44 (0)1225 866 754 Fax: +44 (0)1225 867 030 e-mail: sales@scitec.uk.com