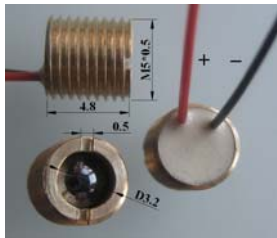
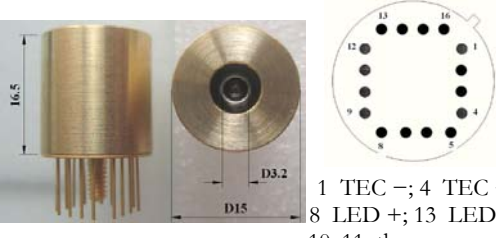
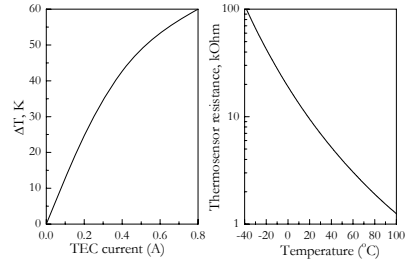


Optically Immersed 1.9 $\mu\text{m}$ LED in heat-sink optimized housing				LED19Sr
Peak wavelength	$\lambda_{\text{max}}$	$\mu\text{m}$		$1.95 \pm 0.05$
Pulsed power at I=1 A	$P_{\text{pulsed}}$	mW		$6.0 \pm 1.2$
CW power at I=200 mA	$P_{\text{CW}}$	mW		$1.0 \pm 0.2$
Switching time	$\tau$	ns		$\leq 20$

Code	Thread	Emission size, mm	Lens material	Far-field pattern FWHM, deg.	Optical axis deviation, deg	Operation (storage) conditions, °C
LED19Sr	M5×0.5	Ø 3.3	Si	$\leq 20$	$\leq 7$	-25÷+60 (+80)
LED19TO8TEC			Si lens and quartz window			

	LED19Sr	LED19TO8TEC
Product view		 <p>1 TEC -; 4 TEC + 8 LED +; 13 LED - 10, 11 thermosensor</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.

