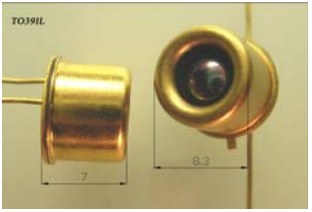
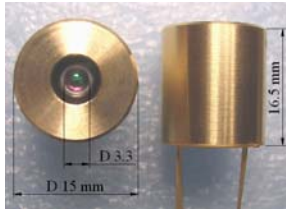
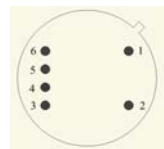
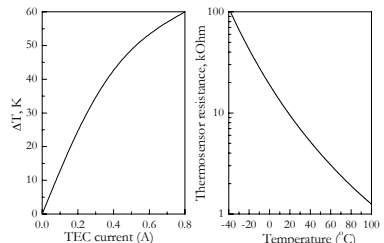


Optically Immersed 7.0 μm LED in heat-sink optimized housing				OPLED70
Peak wavelength	λ_{max}	μm		6.5 to 7.0
Pulsed power at I=1 A	P_{pulsed}	μW		10 \pm 2
CW power at I=100 mA	P_{CW}	μW		1.8 \pm 0.3
Switching time	τ	ns		\leq 50

Code	Emission size, mm	Lens material	Far-field pattern FWHM, deg.	Operation (storage) conditions, $^{\circ}\text{C}$	Polarity
OPLED70	\varnothing 3.3	CdSb	\leq 40	-25 to +40	short leg or key is negative
OPLED70TO8TEC		CdSb lens and sapphire window			See fig. below

	OPLED70	OPLED70TO8TEC
Product view		  1 TEC -; 2 TEC + 3 PD +; 6 PD - 4, 5 thermosensor
		

- ✓ All devices are stressed at 80 $^{\circ}\text{C}$ and I=200 mA (CW) 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 $^{\circ}\text{C}$) and LED attached to a heatsink. Heatsink is important for normal LED operation especially in the CW mode.
- ✓ Available accessories include driver electronics.
- ✓ Available wavelengths include 1.9, 2.15, 3.0, 3.4, 3.6, 3.8, 4.2, 4.7, 5.5 and 7.0 μm .

