

Maximum Ratings

Parameter	Symbol		Values
Operating temperature	T_{op}	min.	-20 °C
		max.	60 °C
Storage temperature	T_{stg}	min.	-40 °C
		max.	85 °C
Peak output power $T_{case} = 25\text{ °C}$	P_{opt}	max.	35 mW
Reverse voltage ¹⁾ $T_{case} = 25\text{ °C}$	V_R	max.	2 V
Soldering temperature $t_{max} = 10\text{ sec}$	T_S	max.	260 °C

Operation outside these conditions may damage the device. Operation at the maximum ratings influences lifetime.

Characteristics

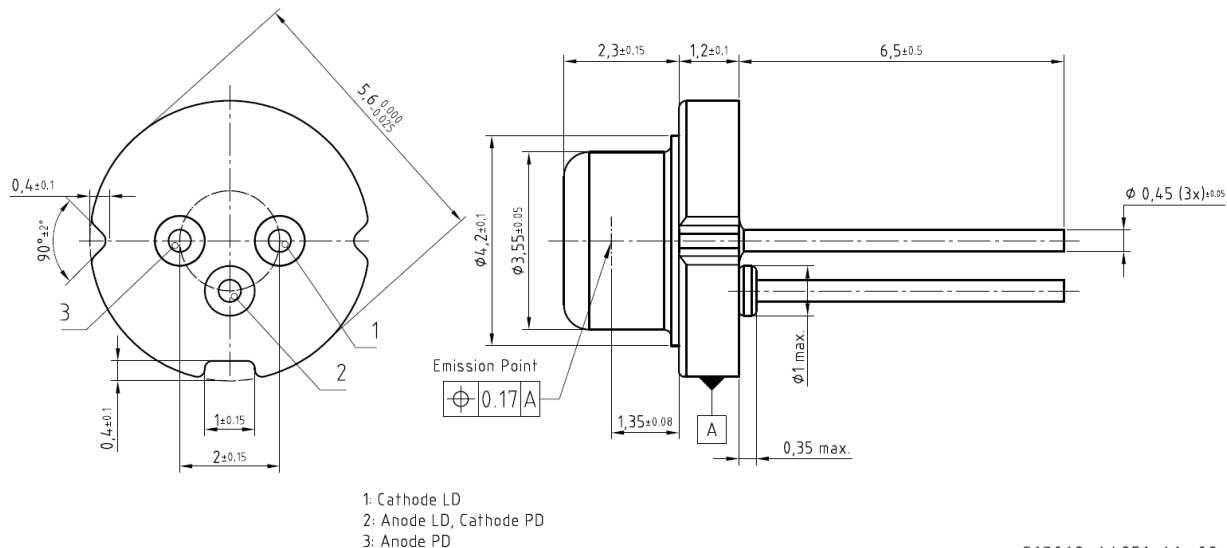
$P_{opt} = 30 \text{ mW}$ (B1 - B3); $T_c = 25 \text{ }^{\circ}\text{C}$

Parameter	Symbol	Values	
Operating current ²⁾	I_{op}	typ. max.	80 mA 100 mA
Operating voltage ³⁾	V_{op}	typ. max.	5.6 V 6.5 V
Peak wavelength ⁴⁾⁵⁾	λ_{peak}	min. typ. max.	510 nm 520 nm 530 nm
Spectral bandwidth (FWHM)	$\Delta\lambda$	typ.	1 nm
Beam divergence (FWHM) parallel to pn-junction	$\Theta_{ }$	min. typ. max.	6 ° 8 ° 10 °
Beam divergence (FWHM) perpendicular to pn-junction	$\Theta_{\perp}$	min. typ. max.	19 ° 22 ° 25 °
Threshold current	I_{th}	typ. max.	30 mA 45 mA
TE polarization	P_{TE}	typ.	100:1
Modulation frequency	f	min.	100 MHz
Monitor current ⁶⁾⁷⁾	I_m	typ.	55 μA

Wavelength Groups

Group	Peak wavelength ⁵⁾ min. λ_{peak}	Peak wavelength ⁵⁾ max. λ_{peak}
B1	510 nm	515 nm
B2	515 nm	520 nm
B3	520 nm	530 nm

Dimensional Drawing 10)



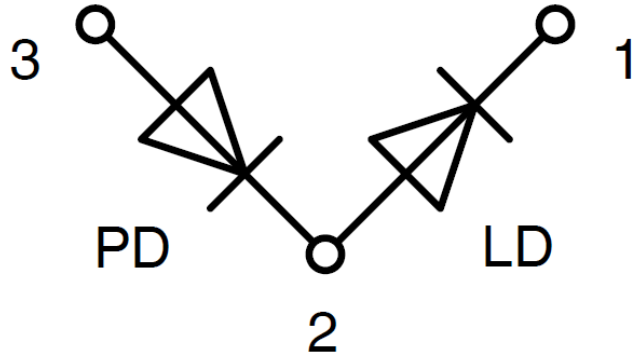
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Further Information:

Approximate Weight: 313.0 mg

ESD advice: ATTENTION – Observe Precautions For Handling – Electrostatic Sensitive Device

Electrical Internal Circuit



Pin	Description
PIN 1	LD Cathode
PIN 2	LD Anode, PD Cathode (case)
PIN 3	PD Anode