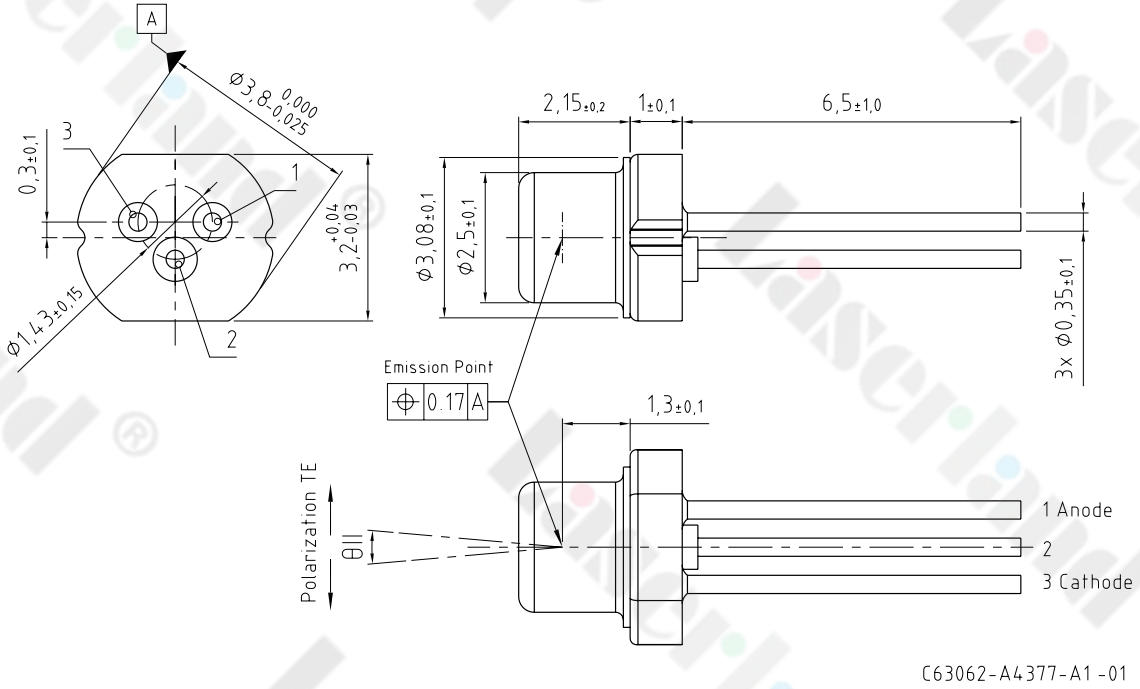
Characteristics

P_{opt} = CW mode: 80 mW; Pulse mode: 140 mW; T_{case} = 25 °C

Parameter	Symbol		Values
Operating voltage [3] CW P_{opt} = 110 mW	V_{op}	typ. max.	6 V 8 V
Peak wavelength [4]	λ_{peak}	min. typ. max.	515 nm 520 nm 530 nm
Spectral bandwidth (FWHM)	$\Delta\lambda$	typ.	1 nm
Peak output power [5] Pulse mode*	P_{opt}	min. typ.	110 mW 140 mW
Peak output power [5] CW with 240 mA	P_{opt}	min. typ.	80 mW 100 mW
Peak output power CW with 200 mA	P_{opt}	typ.	80 mW
Beam divergence (FWHM) parallel to pn-junction CW P_{opt} = 110 mW	$\Theta_{\parallel}$	min. typ. max.	5 ° 6.2 ° 8 °
Beam divergence (FWHM) perpendicular to pn-junction CW P_{opt} = 110 mW	$\Theta_{\perp}$	min. typ. max.	18 ° 22.5 ° 25 °
Threshold current	I_{th}	typ. max.	50 mA 90 mA
TE polarization CW P_{opt} = 110 mW	P_{TE}	typ.	100:1
Modulation frequency	f	min.	100 MHz
Thermal resistance junction case real	R_{thJC}	typ.	38 K / W

*Pulse conditions: ≤ 10 µs, ≤ 50 % DC, ≤ 300 mA, 50 °C

Dimensional Drawing [8)]



Further Information:

Approximate Weight: 141.0 mg

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

Pin	Description
PIN 1	LD Anode
PIN 2	Case
PIN 3	LD Cathode