

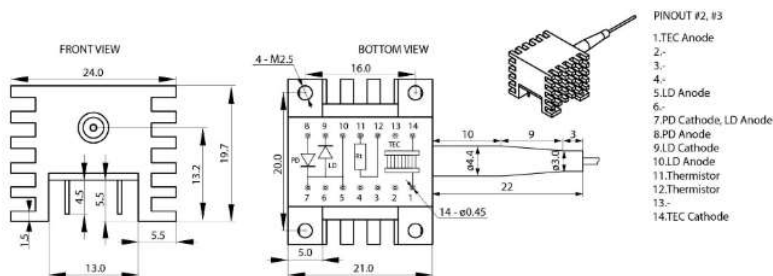
## 660 nm laser diode

15 mW / singlemode fiber / "hedgehog" form factor with TEC  
(compatible with Butterfly laser diode drivers)

Reference: 660LD-1-0-0-(1=SMF/2=PM)

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	mW	15		
Center Wavelength	nm	657	662	667
Spectral Width (FWHM)	nm		1	3
Threshold Current	mA		40	60
Operating Current <i>(*absolute maximum rating)</i>	mA		90	100 (120)*
Operating Voltage	V		2.5	3.0
Wavelength shift w Temperature	nm/°C		0.1	
Wavelength shift w Current	nm/A		2	
Internal photodiode responsivity	mA/W	5	25	50
TEC current (25°/case@70°)	A			0.7
TEC voltage (25°/case@70°)	V		2.0	3.9
Internal thermistor (25°) <i>R<sub>t</sub>=10*EXP(3600*(1/T(K)-1/298)) kΩ</i>	kΩ	9.5	10	10.5
Fiber type (OPTION 1 : PM fiber)		630-HP or equivalent (SM-63 or equivalent)		
Fiber bend radius (long term)	mm	13		
Typical Fiber length / coating		1.0 m / 900 μm		
Fiber connector		Yes (FC/APC)		
Storage temperature	°C	-40		+60
Operating case temperature	°C	-20		+60
PER (if PM OPTION 1)	dB		18-22	
Laser diode reverse voltage (absolute maximum rating)	V			2

Form factor & Laser diode pinning :



14 pin DIL supplied with a butterfly laser diode driver adaptation kit.

