

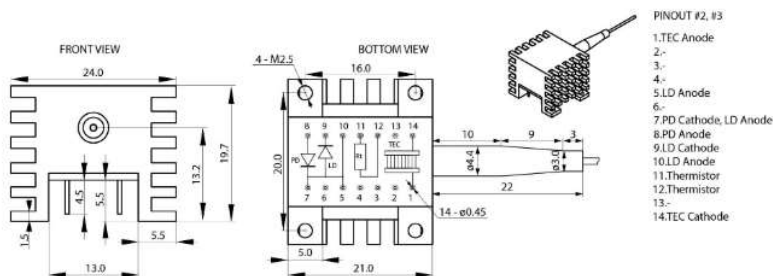
## 660 nm laser diode

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

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

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	mW	40		
Center Wavelength	nm	657	662	667
Spectral Width (FWHM)	nm		1	3
Threshold Current	mA		60	75
Operating Current (*absolute maximum rating)	mA		160	180 (200*)
Operating Voltage	V		2.5	3.3
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°) $R_t = 10 \cdot \text{EXP}(3600 \cdot \{1/T(K) - 1/298\}) \text{ k}\Omega$	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		20-22	
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.

