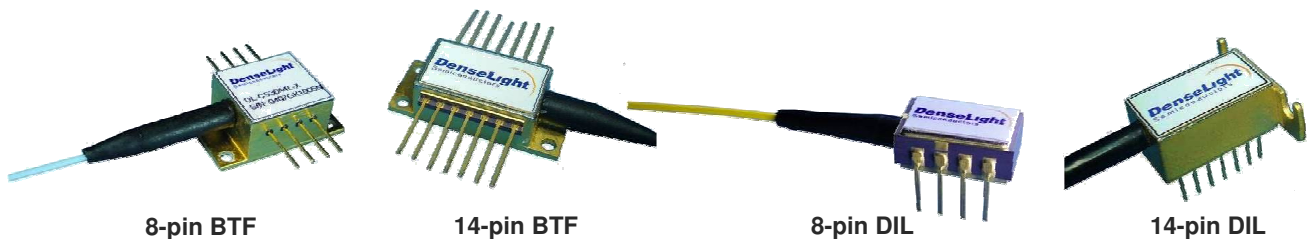


Superluminescence LEDs (GaAs-based SLED)



FEATURES

- Wavelength from 800nm to 1060nm
- Optical power up to 10mW pigtailed
- Wide 3dB spectral bandwidth of up to 65nm
- Telcordia and ISO9001:2000 certification
- RoHS Compliance

APPLICATIONS

- | | |
|---|---|
| <ul style="list-style-type: none"> ▪ Communications ▪ Medical applications ▪ Energy, oil and gas ▪ Industrial controls ▪ Environmental sensing ▪ Defense & security | <ul style="list-style-type: none"> - test & measurement for telecom networks - OCT (biopsies-less medical cell imaging, diagnostic imaging), point of use/ handhelds / non-invasive diagnosis (blood analysis) - sensing in gas & oil production, telemetry in electricity distribution - in-line production process monitoring, 3D metrology and surface metrology, semiconductor fabrication (solar cells), chemical and gas sensing – safety, emission control, security - physical (temp, pressure, strain, vibrations), structural and civil engineering, smart structures, intelligent distributed sensing - perimeter defense, navigation and guidance - inertia sensing (gyroscope), infrared illumination for surveillance and speckle-free military imaging |
|---|---|

Superluminescent Light Emitting Diode Modules in 14 pin Butterfly or 14 pin DIL

PACKAGING OPTIONS

DenseLight's SLEDs come in different packaging options to fit your application needs:

- 14 pin DIL and Butterfly package
- 8 pin mini DIL and 8 pin mini Butterfly package available on request
- Single mode fiber and polarization maintaining fiber available (SMF & PMF)
- Optional monitoring photodiode
- FC/APC connectors termination

Center Wavelength (nm)	Product Code	Min Power (mW)	Typ Bandwidth FWHM (nm)	Typ Spectral Ripple (dB)	Package Options	Typ Iop (mA)
810 to 840	DL-CR83027A	2	65	0.1	BTF	250
	DL-CR83056A	5	55	0.1	BTF	200
	DL-CR83104A	10	45	0.15	BTF	350
1020 to 1040*	DL-CR10033A	3	35	0.15	BTF	300

* Preliminary specifications