

Features:

- CW output power of up to 5.0 mW
- Elliptical LD-like far field
- Bell-shaped spectrum with small residual Fabry-Perot modulation depth
- Low cost

Applications:

- optical illumination
- optical sensors
- optical measurements
- others

TO-56 Package



Specifications (at +25 °C):

Parameter	Min	Typ.	Max
Forward current at output power of 5.0mW, mA	-	130	150
Forward voltage, V	-	-	2,5
Center wavelength*, nm	810	825	840
Spectrum width, nm	20	25	-
Residual spectral modulation depth** at output power of 5 mW, %	-	4.0	5.0
Polarization ratio, dB	-	5	-
PD monitor photocurrent at output power of 5.0mW, μ A	100	-	-
Operating temperature, °C	-20		+55
Storage temperature, °C	-55		+85

* other center wavelength upon request

** at an output power of 3 mW residual spectral modulation depth (ripple) is below 3%.

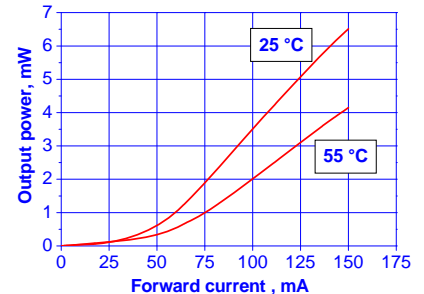
The following part number should be used when **ordering**:

SLD-380-MP-TO56-PD-825.

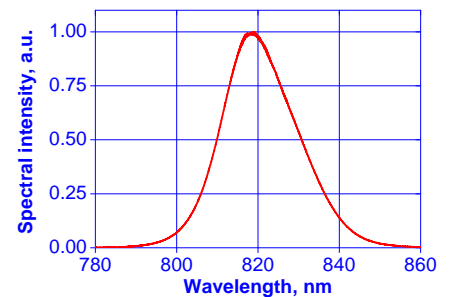
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

Light-current curves at different case temperatures



Spectrum example



Far field

