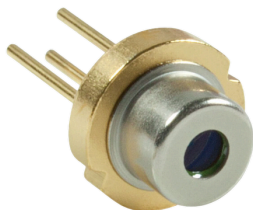


SLD-790-9MM

Superluminescent light source for fiber transmission systems, fiberoptic gyros, fiberoptic sensors, optical coherence tomography, optical measurements.



Optical and electrical characteristics:

| Parameter | Symbol | Test condition | Min. | Typ. | Max. | Unit |
|-------------------|-------------------|----------------|------|------|------|---------|
| Optical Power | P_f | CW | 10 | | | mW |
| Forward Current | I_f | P_f | | 150 | 250 | mA |
| Forward Voltage | V_f | P_f | | | 2.5 | V |
| Center Wavelength | λ_c | P_f | 770 | 790 | 810 | nm |
| Spectral Width | $\Delta\lambda_c$ | P_f | 20 | 35 | | nm |
| Monitor Current | I_m | P_f | 20 | | 2000 | μ A |
| PD Dark Current | I_d | $V_{rd}=5V$ | | | 0.1 | μ A |

Absolute maximum ratings:

| Parameter | Symbol | Rating | Unit |
|------------------------------------|----------|--------|--------------|
| Forward Current | I_f | 300 | mA |
| Reverse Voltage | V_r | 1.8 | V |
| Reverse Voltage | V_{rd} | 7 | V |
| Minimum Operation Case Temperature | T_{ol} | -40 | $^{\circ}$ C |
| Maximum Operation Case Temperature | T_{oh} | 70 | $^{\circ}$ C |
| Minimum Storage Temperature | T_{sl} | -40 | $^{\circ}$ C |
| Maximum Storage Temperature | T_{sh} | 70 | $^{\circ}$ C |

Packaging:

| 9mmTO: | |
|--------|------------------|
| № | Parameter |
| 1 | LD anode + |
| 2 | LD -, PD -, case |
| 3 | PD cathode + |

