



# 650nm Laser Diode SM OSA Module

## 650nm Laser Diode SM OSA Module

### Features

- Center wavelength 650nm
- Built-in monitor detector
- Operating temperature -10°C to 50°C
- Hermetically sealed TO-18 package in universal 2.5 mm receptacle

### Applications

- Test instruments

### Specifications (T=25°C)

Parameter	Symbol	Test Conditions	Min	Typical	Max	Units
Center Wavelength	$\lambda$	$P_0$	645	650	660	nm
Threshold Current	$I_{th}$	-	-	20	40	mA
Operating Voltage	$V_{op}$	$P_0$	-	2.2	2.6	V
Optical Output Power	$P_0$	$I_{th}+15\text{mA}$				
-1			0.1	0.25	-	mW
-2			0.4	0.55	-	mW
-3			0.7	0.85	-	mW
Monitor Current (PD)	$I_m$	$P_0, V_{RD}=5V$	0.05	0.2	-	mA
Tracking Error	$E_t$	-40 to 85 °C	-	±1.0	-	dB

### Absolute Maximum Ratings (T=25°C)

Parameter	Symbol	Min.	Max.	Unit
Forward Current (LD)	$I_{op}$	-	50	mA
Reverse Voltage (LD)	$V_{RL}$	-	2	V
Reverse Voltage (PD)	$V_{RD}$	-	30	V
Operating Temperature	$T_o$	-10	+50	°C
Storage Temperature	$T_{stg}$	-40	+85	°C
Lead Soldering Temperature (10 sec)	$T_L$	-	260	°C

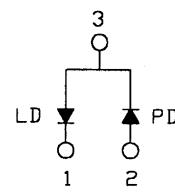
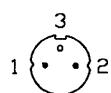
### Ordering Information

SNS-LD 6 5 R0 S 1 UV2 B -  E

Grade  
1, 2, 3 for coupled power level  
(Please see the specs above)

## Pin Connections

**BOTTOM VIEW**



## Dimension

