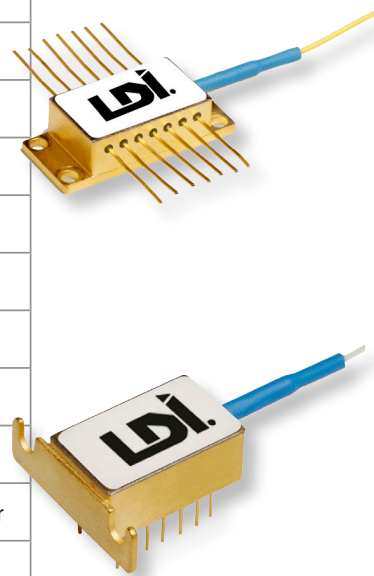


Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$T_{amb} = -20^{\circ} \text{ to } 65^{\circ} \text{ C.}; T_{sid} = 25^{\circ} \text{ C}$	1.0			mW
Forward drive current	I_f	$T_{amb} = -20^{\circ} \text{ to } 65^{\circ} \text{ C.}; T_{sid} = 25^{\circ} \text{ C}$		200		mA
Forward voltage	V_f	$T_{amb} = -20^{\circ} \text{ to } 65^{\circ} \text{ C.}; T_{sid} = 25^{\circ} \text{ C}$		1.2	2	V
Center wavelength	λ	$T_{amb} = -20^{\circ} \text{ to } 65^{\circ} \text{ C.}; T_{sid} = 25^{\circ} \text{ C}$		1310		nm
Spectral width	$\Delta\lambda$	$T_{amb} = -20^{\circ} \text{ to } 65^{\circ} \text{ C.}; T_{sid} = 25^{\circ} \text{ C}$		40		nm
Thermistor resistance	R	$T_{sid} = 25^{\circ} \text{ C.}$	9.9	10.0	10.1	$K\Omega$
Thermistor B constant	B	B25/50	3910.9	3950.0	3989.9	K
Cooling capacity	ΔT	$T_{sid} = 25^{\circ} \text{ C.}$	45			$^{\circ}\text{C}$
TEC Voltage @40° Δ T	V_{tec}	$T_{sid} = 25^{\circ} \text{ C.}$		1.2		V
TEC Current @40° Δ T	I_{tec}	$T_{sid} = 25^{\circ} \text{ C.}$		600		mA
Fiber Length	L	per outline	1			Meter
Operating temp. range	T_{op}	$T_{sid} = 25^{\circ} \text{ C.}$	-20		65	$^{\circ}\text{C}$
Storage temp. range	T_{stg}	Non operating	-40		85	$^{\circ}\text{C}$



OSILaserDiode, Inc.
An OSI Systems Company

Peggy Scarillo Sales Manager
Email: pscarillo@osilaserdiode.com
Phone: 732 -549-9001

Products can be ordered directly from OSI Laser Diode Inc. or its representatives.
For a complete listing of representatives, visit our website at
www.laserdiode.com

Safety:

Caution: Laser light emitted from any diode laser may be harmful to the human eye. Avoid looking directly into the diode laser aperture when the device is in operation.

ESD Caution:

Handle diode lasers with extreme care to prevent electrostatic discharge. Follow ESD precautions when handling devices.

Warranty:

Please refer to your product purchase agreement for complete details or check with your OSI Laser Diode sales representative.

Notice:

OSI Laser Diode Inc. reserves the right to make changes to the products or information contained herein without notice. No liability is assumed as a result of their use or application.

World Class Opto-Electronic Components

OSILaserDiode, Inc.
An OSI Systems Company

OTDR Instruments • Spectroscopy • Optical and LOS Sensors • Optical Test Equipment
Fiber Optic Instruments

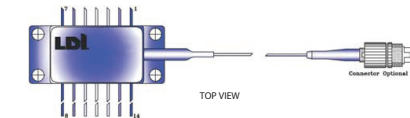
LCW/SCW Series: Instrument Laser Modules

Instrument Laser Modules Pulsed and CW Applications

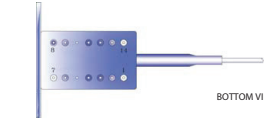
- Wavelengths: 1310nm, 1490nm, 1550nm, 1625nm and 1650nm
- High Peak Optical Power (Pulsed) Up to 500mW @100mA

Parameters	Symbol	1330 Series	1430 Series	1530 Series	1630 Series	1650 Series	Units
		Min	Min	Min	Min	Min	
Optical Power (Fiber)	P	120	100	100	100	100	mW
Center Wavelength	λ	1310	1490	1550	1625	1650	nm

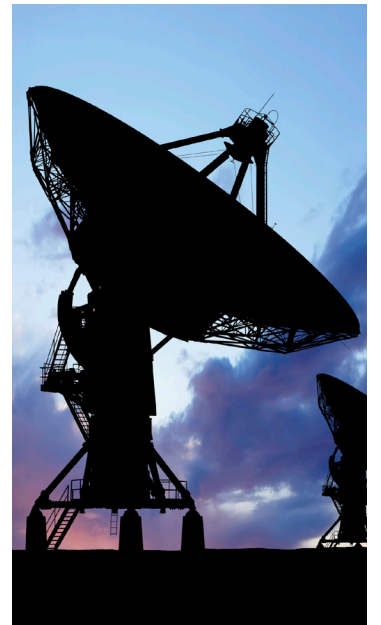
14-pin Butterfly Package



14-pin Dip Package



Coaxial Package TO56 Package



SCW1532-500R

1550 nm Pulsed Laser Diode Module for OSA/OTDR Applications

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	400	500		mW
Center Wavelength	λ	$P_w = 10 \text{ us}; D/C = 1\%$	1530	1550	1570	nm

SCW1536-200R

1550 nm High Power Pulsed Laser Diode Coaxial Module for OSA/OTDR Applications

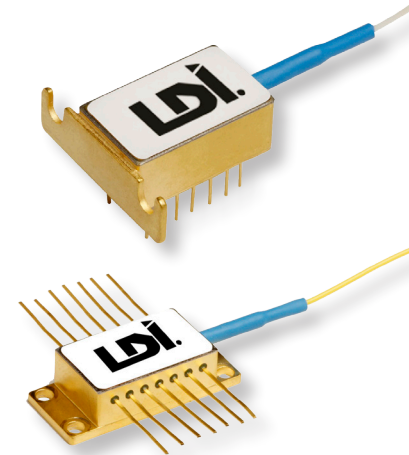
Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$I_f = 1500 \text{ mA}; P_w = 10 \text{ us}; D/C = 1\%$	200			mW
Center Wavelength	λ	$I_f = 1500 \text{ mA}; P_w = 10 \text{ us}; D/C = 1\%$	1530	1550	1570	nm

Drawings available for all products upon request

SCW1632-350R & SCW 1631F-350R

1625 nm High Power Pulsed Laser Diode Module for OSA/OTDR Applications

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	275	350		mW
Center Wavelength	λ	$P_w = 10 \text{ us}; D/C = 1\%$	1615	1625	1635	nm



OSILaserDiode, Inc.
An OSI Systems Company

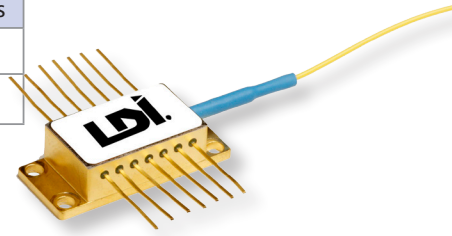
Phone: 732 -549-9001
Fax: 732-906-1559

www.laserdiode.com

SCW1732-300R / SCW 17B2-300R

1650 nm High Power Pulsed Laser Diode Module for OSA/OTDR Applications

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	275	300		mW
Center Wavelength	λ	$P_w = 10 \text{ us}; D/C = 1\%$	1640	1650	1660	nm



SCW 1430 Series

1490 nm High Power Pulsed Laser Diode Module for OSA/OTDR Applications

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	100			mW
Optical Power (TO56)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	300			mW
Center Wavelength	λ	$P_w = 10 \text{ us}; D/C = 1\%$	1470	1490	1510	nm



SCW 1006-010R Series

1064 nm CW Laser Diode Module

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$T_{amb} = 25^\circ \text{ C}$	10			mW
Center Wavelength	λ	$T_{amb} = 25^\circ \text{ C}$	1061	1064	1067	nm

OSI Laser Diodes' principles of **Leadership, Dependability** and **Integrity**, delivers a high standard of service and quality products

Pulsed 850nm Instrument Laser Modules

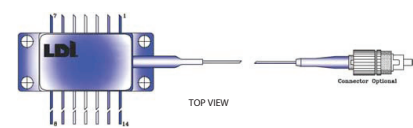
Parameters	Symbol	LP8M03-27-50R	LP8M03-27-62R	LP8M05-23-50R	LP8M05-23-62R	LP8M10-23-50R	LP8M10-23-62R	Units
Power (min)	P_o	300	300	500	500	1000	1000	mW
Peak Wavelength	λ_p	850±20	850±20	850±20	850±20	850±20	850±20	nm

SCW 1732-BGR

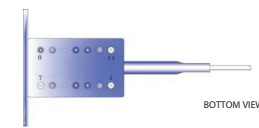
1650 nm High Power FBG Pulsed Laser Diode

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$P_w = 10 \text{ us}; D/C = 1\%$	257			mW
Center Wavelength	λ	$P_w = 10 \text{ us}; D/C = 1\%$	1649	1650	1651	nm

14-pin Butterfly Package



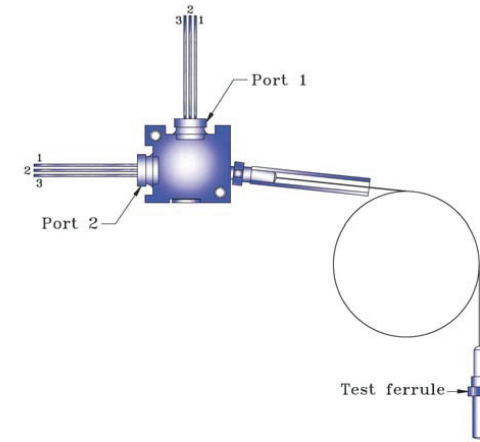
14-pin Dip Package



Pin	Function
1	TEC (+)
2	Thermistor
3	PD Anode
4	PD Cathode
5	Thermistor
6, 7, 8, 9	N/C
10	Laser Anode
11	Laser Cathode
12	N/C
13	Case Ground
14	TEC (-)

MCW Combiner Dual Wavelength Instrument Laser

		MCW833M-XXR		MCW353S-XXR		MCW563S-XXR			
	Parameters	Symbol	Conditions @25° C	Typ.	Conditions @25° C	Typ.	Conditions @25° C	Typ.	Units
Port 1	Optical power (fiber)	P_o	4A I_f ; 200 ns PW; 0.1% D/C	50	1A I_f ; 10us PW; 1% D/C	100	1A I_f ; 10us PW; 1% D/C	70	mW
	Center wavelength	λ	4A I_f ; 200 ns PW; 0.1% D/C	850	1A I_f ; 10us PW; 1% D/C	1550	1A I_f ; 10us PW; 1% D/C	1625	nm
Port 2	Optical power (fiber)	P_o	1A I_f ; 10us PW; 1% D/C	250	1A I_f ; 10us PW; 1% D/C	100	1A I_f ; 10us PW; 1% D/C	70	mW
	Center wavelength	λ	1A I_f ; 10us PW; 1% D/C	1310	1A I_f ; 10us PW; 1% D/C	1310	1A I_f ; 10us PW; 1% D/C	1550	nm



TCW RGB TriBiner Series: Triple Wavelength Instrument Laser

		TCW6833M-XXR		TCW6353S-XXR			
	Parameters	Symbol	Conditions @25° C	Typ.	Conditions @25° C	Typ.	Units
Port 1	Optical power (fiber)	P_o	4A I_f ; 200 ns PW; 0.1% D/C	45	1A I_f ; 10 us PW; 1% D/C	85	mW
	Center wavelength	λ	4A I_f ; 200 ns PW; 0.1% D/C	850	1A I_f ; 10 us PW; 1% D/C	1550	nm
Port 2	Optical power (fiber)	P_o	1A I_f ; 10us PW; 1% D/C	225	1A I_f ; 10us PW; 1% D/C	90	mW
	Center wavelength	λ	1A I_f ; 10us PW; 1% D/C	1310	1A I_f ; 10us PW; 1% D/C	1310	nm
Port 3	Optical power (fiber)	P_o	40mA I_f	0.5	40mA I_f	0.5	mW
	Center wavelength	λ	40mA I_f	650	40mA I_f	650	nm



SCW 1731F - D40R

1650 nm Pulsed DFB Laser Diode Module

Parameters	Symbol	Conditionss	Min.	Typ.	Max	Units
Optical Power (Fiber)	P_o	$I_f = 400 \text{ mA}; P_w = 10 \text{ us}; D/C = 1\%$	40			mW
Center Wavelength	λ	$I_f = 400 \text{ mA}; P_w = 10 \text{ us}; D/C = 1\%$	1646	1650	1654	nm