

# 980nm Pump Laser

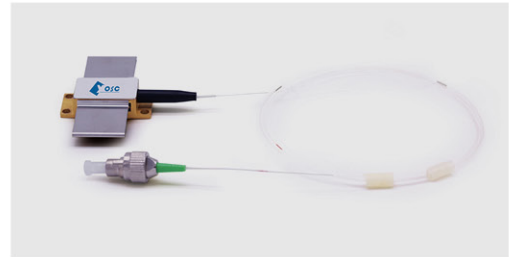
The 980 nm pump laser module uses FBG to lock emission wavelength. The laser has excellent properties, great wavelength stability, low noise, narrow bandwidth, and high electro-optic conversion efficiency. The laser can be widely utilized in EDFA, ASE light source and optical sensing fields.

## Characteristics

- Kink-free operating power up to 600mW
- Epoxy-free, and flux-free 14-pin butterfly
- Lock the output wavelength
- Integrated thermoelectric cooler, thermistor, and monitor diode

## Applications

- Low noise optical fibre amplifier
- DWDM EDFA
- CATV EDFA
- Fibre laser
- ASE optical source



## Specifications

Product Type	PL-S-C-14-74-XX *①			
Parameters	Symbol	Minimum	Maximum	Notes
Operating Temperature (°C)	$T_{case}$	-5	75	-
Storage Temperature (°C)	$T_{stg}$	-40	85	2000 Hours
Output Power (mw)	$P_o$	200	600	-
LD Forward Current (mA)	$I_f$	-	1100	-
LD Reverse Current ( $\mu$ A)	$I_r$	-	10	-
LD Reverse Voltage (V)	$V_r$	-	2	-
PD Forward Current (mA)	$I_{PD}$	-	-10	-
PD Reverse Voltage (V)	$V_{PD}$	-	20	-
TEC Current (A)	$I_c$	-	2	-
TEC Voltage (V)	$V_c$	-	3.5	-
Fibre Bending Radius (mm)	-	30	-	-
Relative Humidity (%)	RH	0	95	Non-condensation
Lead Soldering Time (s)	-	-	10	260°C
Fibre Pull Force (N)	-	-	5	-

\*①PL-S-C-14-74-XX, XX means output power