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Corporation Ltd

# ASE C&L-Band Light Source

(Wavelength: 1525 ~ 1610nm)

The OLS15CL is an ultra stable Amplified Spontaneous Emission (ASE) C&L-band Light Source equipment designed for applications requiring high optical power over a wide wavelength range. It has useful applications for DWDM systems, sensor systems and components characterization.



## Applications

- Spectral Measurements of C & L-Band DWDM Passive Components
- Raman Amplifier Gain and Gain Flatness Test
- Noise Simulation in DWDM Systems

## Features

- Large Output Power (Maximum +15 dBm)
- High Spectral Density
- Excellent Output Power Stability
- Very Flat Spectrum



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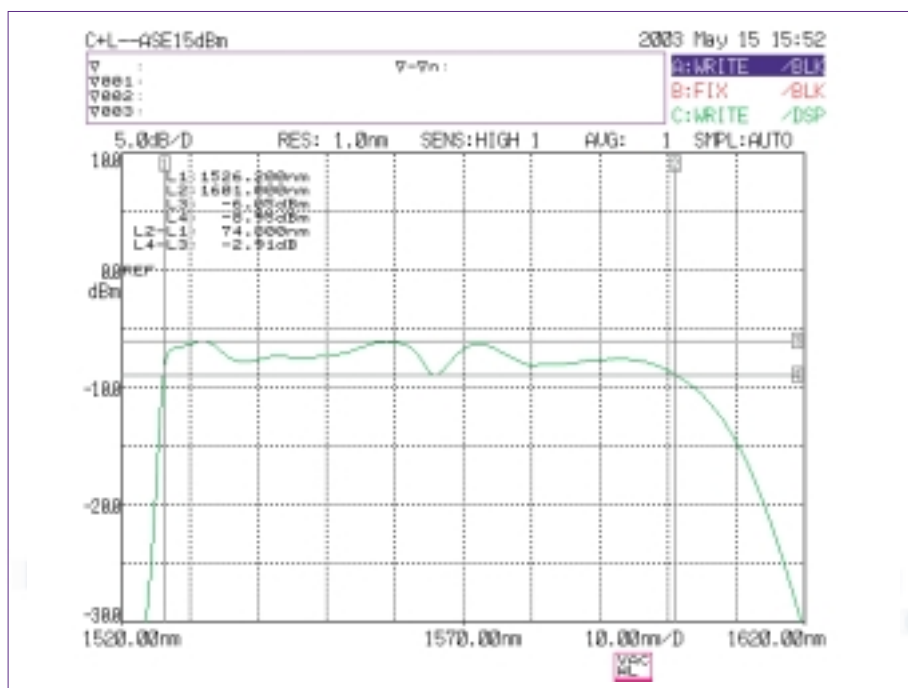
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## SPECIFICATIONS

### ASE C & L-Band Light Sources

| Parameter             | Performance                            |
|-----------------------|--|
| Wavelength            | 1525 nm ~ 1610 nm                      |
| Total Output Power    | > +10 dBm (Max. + 15 dBm)              |
| Spectrum Flatness     | < 3 dB (1528 nm to 1600 nm at 20~30°C) |
| Output Stability      | ± 0.02 dB (8 hrs)                      |
| Output Isolation      | > 30 dB                                |
| Output Connector      | FC/APC, others available on request    |
| Operating Temperature | 0 °C to +40 °C                         |
| Storage Temperature   | -40 °C to +70 °C                       |
| Power Supply          | 230/110 V AC, 50/60 Hz                 |
| Dimensions            | 230.5mm x 89mm x 300mm                 |
| Display               | Optical Output Power                   |
| Controls              | Keylock Switch, Output Optical Power   |
| Alarms                | Laser Indicator, Alarm Indicator       |
| Computer Interface    | RS232                                  |

\*Specifications assured after one hour warm-up time



Optical Output Spectrum of 15 dBm ASE C & L-Band Light Source

## ORDERING CODES

OLS15CLGB -  -

| Power   | Code | Connector Type | Code |
|---------|------|----------------|------|
| +10 dBm | 10   | FC/APC         | FA   |
| +13 dBm | 13   | Others         | XX   |
| +15 dBm | 15   |                |      |

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