

Fiber Optic Devices**OD-8363- D LED Module(1.3 μm)**

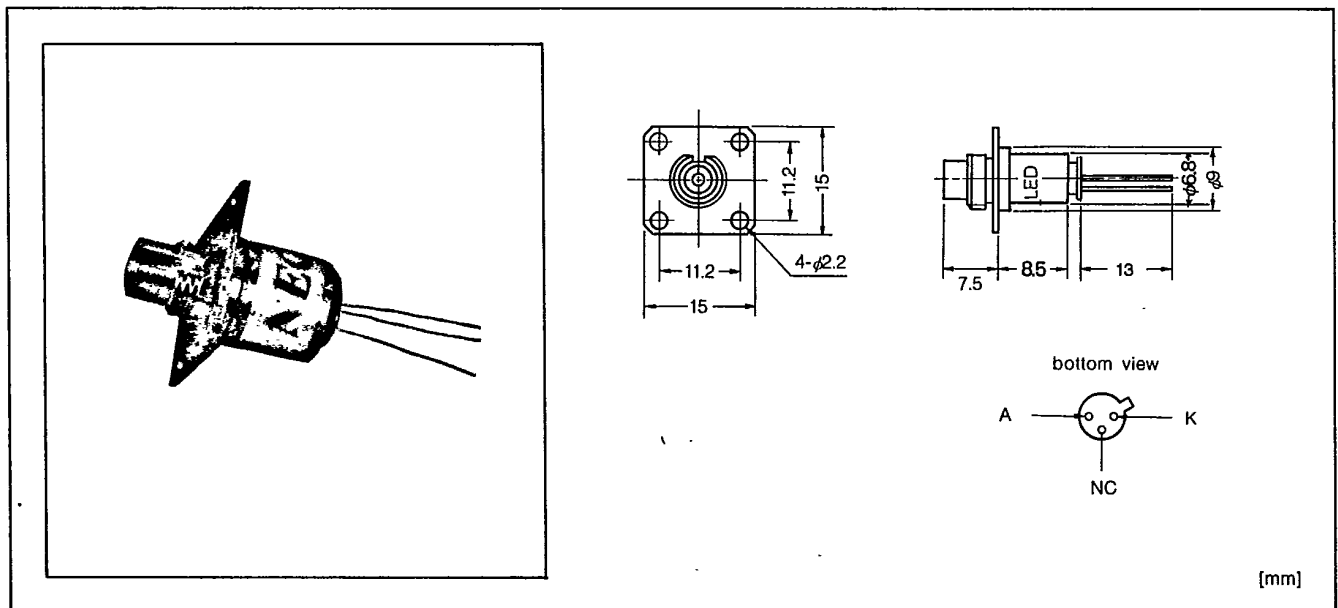
OD-8363 is designed to couple LED (Light Emitting Diode) output light to optical fiber through connector.

FEATURES

- High coupling efficiency from LED to optical fiber.
- High speed and high radiance LED is mounted.
- Highly reliable construction.
- Compact and easily installed in various systems.
- Suitable for long haul transmission.

APPLICATIONS

- Light source for long wavelength fiber optics communication systems.
- Light source for optical fiber and optical devices long wavelength measuring sets.
- Light source for video signal, transmission.

**ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)**

| PARAMETERS | SYMBOL | RATING | UNIT |
|--------------------------------|--------|----------|------|
| Reverse Voltage | VR | 1.5 | V |
| Forward Current | IF | 150 | mA |
| Operating Case Temperature | Top | -10 ~ 60 | °C |
| Storage Temperature | Tstg | -40 ~ 80 | °C |
| Soldering Temperature (5 sec.) | | 230 | °C |

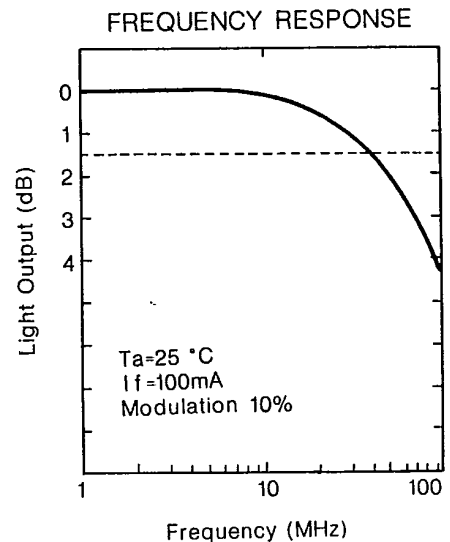
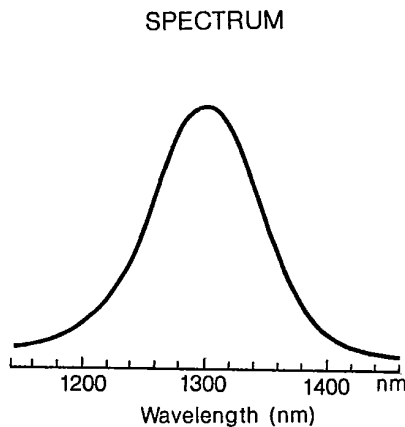
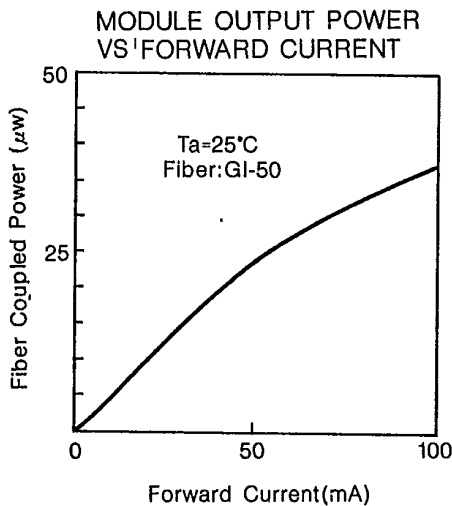
PERFORMANCE SPECIFICATIONS (Ta = 25°C)

| SYMBOL | PARAMETERS | CONDITIONS | OD-8363 | | | UNIT |
|----------------------------|---------------------------------------|---|---------|-------|------|---------|
| | | | MIN | TYP | MAX | |
| Pf | Fiber Coupled Power | 50-GI $\Delta n \sim 1\%$ 2m, $I_F=100mA$ | 15 | 25 | | μW |
| | | 80-SI $\Delta n \sim 1\%$ 2m, $I_F=100mA$ | 35 | 50 | | |
| $\Delta Pf/\Delta T$ | Temperature Dependence of Pf | | | -0.05 | | dB/°C |
| λ_0 | Center Wavelength | $I_F = 100mA$ | 1270 | 1300 | 1330 | nm |
| $\Delta\lambda_0/\Delta T$ | Temperature Dependence of λ_0 | | | 0.5 | | nm/°C |
| $\Delta\lambda$ | Spectrum Width | Half power width ($I_f = 100mA$) | | | 140 | nm |
| tr/ta | Rise/Fall Time | 10 - 90% | | 12 | | n sec |

MAJOR PARAMETERS

- LED : InGaAsP double-hetero structure LED
- Dimensions: 15W x 15H x 16D mm
- Weight : 6g

TYPICAL CHARACTERISTICS (Ta = 25°C)



NOTES

- 1) Connector: D type (OD-9400 Series).
- 2) Specifications are subject to change without previous notice.

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FO-0012
8310
Printed in Japan