

## SD-3500 LED Modules

1310 nm Light Emitting Diode with Multi-Mode Fiber Receptacle

### FEATURES

- I -40°C to 85°C Operating Temperature
- I High Efficiency
- I Hermetically sealed 3-pin metal case
- I Package with Multi-mode SC/FC/ST Connector

### APPLICATIONS

- I FTTH
- I FDDI
- I Fast Ethernet

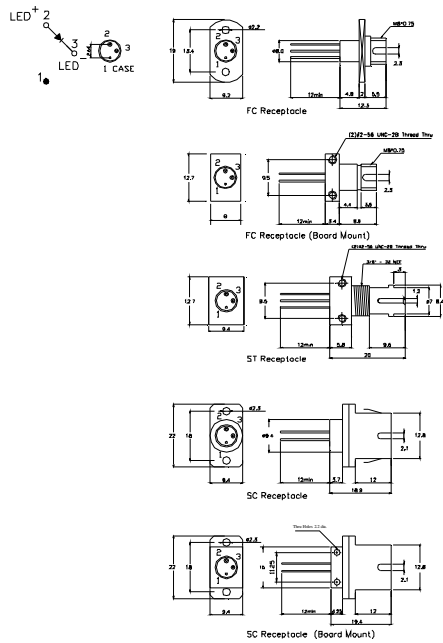
### DESCRIPTION

The SD-3300 series are 1.3 μm band infrared Light Emitting diodes with multi-mode fiber receptacle for use as the light sources in optical fiber communications.

ELECTRICAL AND OPTICAL CHARACTERISTICS (T <sub>C</sub> =25°C, CW, I <sub>F</sub> =60mA)						
Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
P <sub>o</sub>	Fiber Optical Coupled Power	62.5/125 μm MM fiber	30	--	--	μW
λ	Center Wavelength		1260	1310	1360	nm
Δλ	Spectral Width		--	--	180	nm
V <sub>F</sub>	Forward Voltage			1.2	1.7	V
BW	Band width		120	--	--	MHz
Tr/Tf	Rise/Fall Time	10% to 90%	--	--	2.5	ns
ΔP <sub>o</sub> /ΔT	Output Power over Temperature	-40°C to 85°C	--	--	±3	dB

ABSOLUTE MAXIMUM RATINGS (T <sub>C</sub> =25 °C)			
Symbol	Parameter	Ratings	Unit
V <sub>R</sub>	Reverse Voltage	2	V
I <sub>F</sub>	Forward Current	150	mA
	Soldering	250°C/10sec	
T <sub>opr</sub>	Operating Temperature	-40~+85	°C
T <sub>stg</sub>	Storage Temperature	-40~+85	°C

MECHANICAL DIMENSION (mm) and PIN ASSIGNMENT



- Note:** 1. Specifications subject to change without notice.  
 2. Other PIN assignment is available upon request.

ORDER INFORMATION

Part No.: S D - 3 5 0 0 -

Code	Connector Type
F	FC/PC
FB	FC/PC (Board Mount)
T	ST/PC
S	SC/PC
SB	SC/PC (Board Mount)