

# 1550 TRANSMITTER [OT-1000-1550-xx-SA-x-x]

Fiber Products, Transmitters

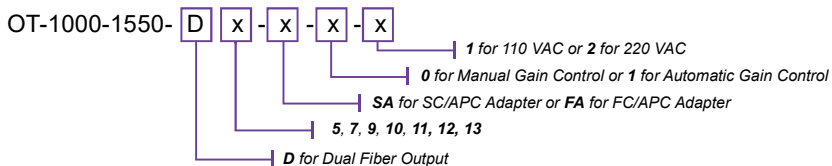


## Features

- 1550 nm Externally Modulated Optical Transmitter
- RF Bandwidth: 47~1000 MHz
- Headend 19 in. Rack Mount Enclosure
- LCD Status and Alarm Monitor Indicators on Front Panel
- Narrow Bandwidth (0.65 MHz), lower noise, DFB continuous wave laser
- CNR  $\geq$  53 dB and excellent CTB , CSO index
- SBS: 13, 16 , 18 dBm adjustable
- Intuitive RS232 Communication Interface
- Advanced SNMP Network Management Function
- Power Supply Backup, Switch Automatically
- Excellent P/P Ratio



## Ordering Information



Model Number	Description	Box Weight	Output Power (dBm)
OT-1000-1550-Dx-SA-x-x	1550 nm Optical Transmitter, Dual Fiber	3 kg / 7 lb	5,7,9,10,11,12,13

## Optical Features

Output Wavelength	1548~1563 nm
Wavelength Adj. Range	$\pm 1.6$ ( $\pm 200$ GHz)
Laser Type	DFB
Wavelength Stability	(-) 1~0 (Pm/°C)
Linewidth	Typ. = 0.65 MHz
Sidemode Suppression Ratio	$\geq 45$ dB
Equivalent Noise Intensity	$\leq -160$
Optical Output Power	See table below
Optical Return Loss	$\geq 50$ dB
Optic Connector Type	Std: SC/APC or Option: FC/APC

## RF Features

RF Bandwidth	47~1000 MHz
RF Input Level	18~28 dBmV (AGC optional)
RF Flatness	$\leq \pm 1.5$ dB
RF Return Loss	$> 16$ dB
RF Input Impedance	75 ohm
Connector Type	F type

<b>Link Performance</b>	<b>PAL-D/60 CH</b>	<b>PAL-D/99 CH</b>
<b>CNR 1</b>	≥ 53 dB	≥ 51.5 dB
<b>CNR 2</b>	≥ 51.5 dB	≥ 49.5 dB
<b>CTB</b>	≤ -65 dB	≤ 65 dB
<b>CSO</b>	≤ -65 dB	≤ 65 dB

**General Specifications**

<b>SNMP Network Management Interface</b>	RJ45
<b>Communication Interface</b>	RS232
<b>Power Supply</b>	90 ~265 VAC (50/60 Hz) -48 VDC (30~72 VDC)
<b>Work Temperature</b>	-5 ~ 65 °C/ -41 ~149 °F
<b>Storage Temperature</b>	-40~ 85 °C/ -104 ~185 °F
<b>Relative Humidity</b>	5~95%
<b>Size</b>	19"x17.9"x1.75" / 48.26 cm x 45.46cm x 4.44 cm

<b>Model</b>	<b>dBm (output power of each port)</b>	<b>SBS Restrain dBm</b>
OT-1000-1550-D5-SA-x-x	Dual Fiber Output ≥ 4.5	13, 16, 18 Adjustable
OT-1000-1550-D7-SA-x-x	Dual Fiber Output ≥ 7.0	13, 16, 18 Adjustable
OT-1000-1550-D9-SA-x-x	Dual Fiber Output ≥ 8.5	13, 16, 18 Adjustable
OT-1000-1550-D10-SA-x-x	Dual Fiber Output ≥ 10	13, 16, 18 Adjustable
OT-1000-1550-D11-SA-x-x	Dual Fiber Output ≥ 11	13, 16, 18 Adjustable
OT-1000-1550-D12-SA-x-x	Dual Fiber Output ≥ 12	13, 16, 18 Adjustable
OT-1000-1550-D13-SA-x-x	Dual Fiber Output ≥ 13	13, 16, 18 Adjustable

Service Warranty: Three Years