

FBG Reflector (1550nm)

OTDR reflector is located at all the optical network unit (ONU) side of a passive optical network (PON), which will reflect the test signal from the OTDR at the optical line terminal (OLT) side, while the traffic signal of PON system will pass through the reflector with very little loss. OTDR reflector is used to help to increase the sensitivity of the OTDR for checking the optical continuity of a subscriber and troubleshooting.

Key Features

- Low insertion loss and reflectivity at traffic wavelength
- High reflectivity at test wavelength
- Easy to install
- Exceptional reliability and environmental stability
- Compatible with GPON, EPON, GEPON



Applications

- PON network
- OTDR testing
- Central Office Terminal
- FTTX

Specifications

Parameter	Unit	Value
Pass band wavelength range	nm	1260~1360 & 1460~1520 & 1575~1670
Reflect band wavelength range	nm	1545~1555
IL(1260nm-1360nm)	dB	≤1.5
IL(1460nm-1520nm)	dB	≤2
IL(1545nm-1555nm)	dB	≥20
RL(1260nm-1360nm)	dB	≥35
RL(1460nm-1520nm)	dB	≥30
RL(1575nm-1670nm)	dB	≥30
RL(1545nm-1555nm)	dB	≤1
PDL	dB	≤0.4
Ripple(REFLECT BAND)	dB	≤0.6
TDL	dB	≤0.5
Operation Temperature	°C	-20~+65
Relative Humidity	%RH	5~95
Connector		SC/APC or LC/APC Attenuator Type