

Fiber Reflector (Plastic type) Fiber Bragg Grating SC/APC FBG Reflector

Description

The Fiber Bragg Grating Reflector at 1650 nm reflects all wavelengths from 1645 to 1655nm.

With its low insertion loss in the transmission wavelength range and high reflectivity in the reflection wavelength range it is the ideal optical termination for FTTX network link monitoring, FTTX reflectors are suitable for both point to point (PTP) and point to multipoint (PTMP) networks.

Easy to install in the user's home, so as to determine the location of the optical path fault through different reflections of the test signal.

Feature

- Wavelength selectable, high reflectivity;
- FBG in ceramic ferrule, not affected by dirt;
- Interacting with conventional adapters, very convenient to use;
- UL94-V0 fire rating and RoHs environmental requirements meet.

Application

- FTTX;
- OTDR;
- WDM-PON;
- Testing on communication system links



Specification

Parameters		Specifications	Unit	Index
Working band	Transmission band	1260~1625	nm	
	Reflection band	1645~1655	nm	
Transmission band	IL	≤1.4	dB	1260~1360nm
		≤1.4	dB	1460~1600nm
		≤3.4	dB	1600~1625nm
		>21	dB	1645~1655nm
	ORL	>35	dB	1260~1360nm
		>35	dB	1460~1580nm
		>30	dB	1580~1620nm
		>20	dB	1620~1625nm
Reflection band	IL	≤1.0	dB	1645~1655nm
PDL		≤0.4	dB	1260~1600nm
Ripple		≤0.6	dB	1645~1655nm
TDL		≤0.5	dB	1260~1600nm
Maximum optical power		27	dBm	/
connector type		SC/APC	/	/
Transmission direction		Unidirectional/bidirectional	/	/
Working temperature		-20~65	°C	/
Working humidity		5~95	%RH	/
Storage temperature		-40~85	°C	/