

SC bidirectional Reflector

DESCRIPTION

Fiber grating filter is an important device for link detection in the communication. The principle is equivalent to a band-pass filter, which completely reflects the light from 1645nm to 1655nm, and all other wavelengths of light pass through. The communication light (C+L band) and the detection light can be separated, preventing the detection light from passing through and thus affecting the signal, and at the same time, the return light can be detected at the control end.

FEATURES

- The grating is embedded and not affected by environmental pollution
- Low insertion loss and high reflectivity
- High reliability and long life
- Accurate control of the wavelength of the reflection band
- Easy installation

APPLICATIONS

- PON network
- Central Office Terminal
- FTTX



SPECIFICATIONS

Parameters	Value
Pass Band Wavelength	1260-1625nm
Reflect Band Wavelength	1645-1655nm
Insertion Loss	$\leq 1.0\text{dB}@ (1260-1360\text{nm})$ $\leq 1.0\text{dB}@ (1460-1600\text{nm})$ $\leq 2.5\text{dB}@ (1610-1625\text{nm})$ $\geq 25\text{dB}@ \text{Reflect Band}$
Return Loss	$\geq 35\text{dB}@ (1260-1360\text{nm})$ $\geq 35\text{dB}@ (1460-1580\text{nm})$ $\geq 35\text{dB}@ (1580-1620\text{nm})$ $\geq 30\text{dB}@ (1610-1620\text{nm})$ $\geq 20\text{dB}@ (1620-1625\text{nm})$ $\leq 1.0\text{dB}@ \text{Reflect Band}$
PDL	$\leq 0.4\text{dB}@ (1260\text{nm}-1600\text{nm})$
Ripple	$\leq 0.6\text{dB}@ (1260\text{nm}-1600\text{nm})$
TDL	$\leq 0.5\text{dB}@ (1260\text{nm}-1600\text{nm})$
Max Optical Power Handling	$\geq 27\text{dBm}$
Plug Times	$\geq 500\text{times}$
Connector Type (Input/Output)	SC/APC Male & SC/APC Female

ORDERING INFORMATION

Description	Reference
SC bidirectional Reflector	430104000000