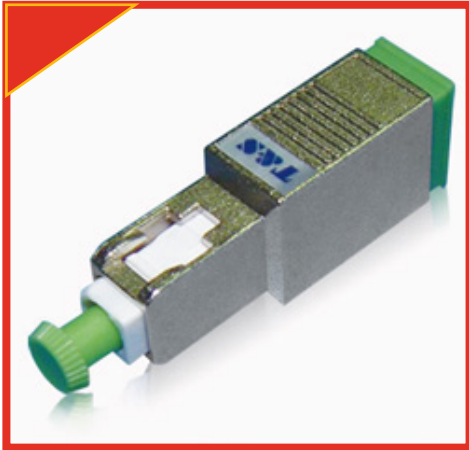


U BAND REFLECTORS



FBG ID Connector, with optical connector at on end, and optical adapter at the other end, is easy for fiber connector. When wavelength interrogator send certain ranged WDM signals to FBG ID Connector, the FBG will reflect certain wavelengths, so as to detect the fiber connection. If there is no breakage of the fiber, the telecom wavelengths other than FBG wavelength will pass through successfully. These reflectors are used to create reflectance at the termination of a passive optical network (PON) without disturbing traffic.

TECHNICAL SPECIFICATION

FBG ID REFLECTOR

Parameters	Unit	Specifications
Applicable fiber		Single Mode Fiber
Pass band	nm	1260~1630
Reflect Band	nm	1645~1655 (Center Wavelength (λ) of the Reflect band is 1650nm)
IL @Pass band ⁽²⁾	dB	≤1,0 @1260~1360 ≤1,5 @1370~1460 ≤1,0 @1480~1610 ≤1,0 @1620~1625 ≤1,0 @1625~1630
IL @Reflect band	dB	≥22 @1650
ORL @Pass band	dB	≥35 @1260~1580 ≥35 @1580~1620 ≥35 @1620~1630
ORL @Reflect band	dB	≤1 @1650
Connector Type		SC/APC Male and SC/APC Female
Temp Characteristic		10 pm/°C (Typical)
Operational Temperature		-25~+70 °C
Operational Humidity		5~93%RH
Storage Temperature		-25~+70 °C
Storage Humidity		5~93%RH
Plug-in times		500
Size		L: 36mm H:9.4mm W:12.8mm

Note 1: Central wavelength is defined as the “half-power mid-point”, the mean of the closest spaced half-power wavelengths in an optical spectrum, one above and one below the peak wavelength.

Note 2: The Insertion loss includes the attenuation of the connector.