

PIGTAIL TYPE 1650NM U BAND REFLECTORS



The FBG pigtail reflect the wavelength in perfect band (1645~1655nm) without disturbing traffic in passband (1260~1630).

The reflection is used in PON (Passive Optic Network) to detect a ONT (Optic Network Termination).

This reflection can be used in other points of network to detect (splitter, cabinet, splice closure, etc.).

TECHNICAL SPECIFICATION

PIGTAIL FBG ID REFLECTOR

Parameters	Unit	Specifications
Fiber		Single Mode Fiber (G657.A1)
Pass band	nm	1260~1630
Reflect Band	nm	1645~1655 (Center Wavelength of the Reflect band is 1650nm)
IL @Pass band ⁽¹⁾	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
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
Lenght		2 meter

Note 1: The Insertion loss includes the attenuation of the connector.