

RIFLETTORS FBG

BIDIRECTIONAL PCP

DS-OUT-ORF-SC-FBG-S-BI-PCP 03/11/2022



CODE: ORF-SC-FBG-S-BI-PCP



PRODUCT DATA

MATERIAL	ABS
HEIGHT	9.4 mm
WIDTH	36 mm
DEPTH	12.8 mm
COLOR	RAL 6018
FLAMABILITY	UL94 V0

PRODUCT DESCRIPTION

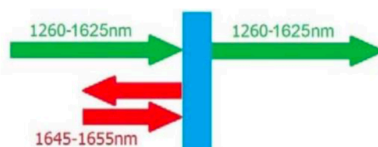
The reflector with FBG technology consists of an SC / APC plug on one side and an optical adapter on the other side. When the wavelength interrogator sends certain remote WDM signals to the FBG reflector, the FBG will reflect certain wavelengths to detect the fiber connection. If there is no fiber break, telecommunication wavelengths other than FBG wavelength will pass successfully. These reflectors are used to create reflectance at the end of a passive optical network (PON) without disturbing the traffic in a bidirectional way since they are mirrored on both sides and therefore can be installed both on the plug side and on the adapter side with the same optical performance. The bidirectional reflector is identified by the green color of the plastic case.

PARAMETRS	UNIT	SPECIFICATIONS
FIBER		SM
PASS BAND WAVELENGTH RANGE	Nm	1260~1630
REFLECTION BAND WAVELENGTH RANGE	Nm	1645~1655
IL @ PASS BAND WAVELENGTH @1260~1360nm, @1460~1600nm, @1600~1625nm	dB	≤ 1,4 ≤ 1,4 ≤ 3,4
IL @ REFLECTION BAND	dB	≥21
ORL @ PASS BAND WAVELENGTH @1260~1360nm, @1460~1580nm, @1460~1620nm, @1620~1625nm	dB	≥35 ≥35 ≥30 ≥20
ORL @ REFLECTION BAND	dB	≤ 1
RIPPLE	dB	≥0,6
PDL	dB	≥0,4
OPERATING TEMPERATURE		-40~+60 °C
OPERATING HUMIDITY		5~95%RH
STORAGE TEMPERATURE		-40~+85 °C
STORAGE HUMIDITY		5~95%RH
PLUG TYPE		SC/APC plug-type (male-female)

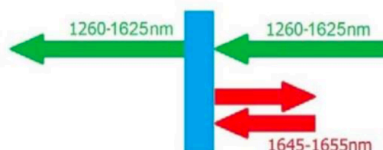
INSTALLATION TYPES:



STANDARD INSTALLATION



REVERSE INSTALLATION



SPECIFICATION REFERENCE:

- PCP DRAFT - Technical Specification 14 - Reflector - v1.74