Polarization-maintaining Filter Wavelength Division Multiplexing

Features

Low insertion loss

High return loss

Excellent environmental stability

Application

GATV system

Test instrument

EPON and GPON network

Specifications

Parameter		Unit	Value				
Type		nm	1064/980	1550/980	1550/1064	1550/1480	2000/1550
Transfer wavelength		nm	1020~1080	1520~1580	1520~1580	1535~1565	1950~2050
Reflection wavelength		nm	960~990	960~990	1020~1080	1480±10	1550±10
Maximum insertion loss	Transfer channel	dB	0.8	0.7	0.8	0.8	0.8
	Reflection channel	dB	0.6	0.5	0.6	0.6	0.8
Minimum transfer isolation @Reflection		dB	25	30	25	25	25
Minimum reflection isolation @Transfer		dB	15	15	15	15	12
Maximum channel flat Value		dB	0.4				
Minimum extinction ratio@23℃		dB	18				
Maximum Wavelength heat stability		nm/℃	0.003				
Maximum insertion loss heat stability		dB/℃	0.005				
Minimum return loss		dB	50				
Maximum tolerable power		mW	500				
Maximum tensile load		N	5				
Operating temperature		℃	0~+70				
Storage temperature		℃	-40~+85				

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions

Backward

Signal approach: Com to Pass

Pump path: Ref to Com

Forward

Signal approach: Pass to Com

Pump path: Ref to Com

Ordering information

①①①①:Operating wavelength
5506=T1550/R1064nm
0698=T1064/R980nm
SSSS=Specify

②:Pump type
F=Forward
B=Backward

③:Signal port working axis
B=Biaxial operation
F=Fast axle cutoff
S=Specify

④④④:Reflection port fiber type
004=HI1060
001=PM1550
SSS=Specify

P MFWDM -①①①① -②-③-④ ④④-⑤- ⑥-⑦-⑧

⑤:Package dimensions
0=5.5x35mm
S=Specify

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑦:Length
H=0.5m
1= 1.0m
S=Specify

⑧:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify