

Type:	Fibrain DS XGPON Blocking Filter	REV: 1.0
Date:	19/11/2024	MD
Modification:		
Reference:	FWDM-G1-1-11-12601560-15751581-A-SCA-SCA	

Passive Optical Network

FIBRAIN DS XGPON BLOCKING FILTER, PASSBAND 1260-1560NM, BLOCKBAND 1575-1581NM, ISOLATION > 43DB, RETURN LOSS > 45DB, IL < 0.8DB, ADAPTER HOUSING, SCAPC CONNECTORS

Fibrain DS XGPON blocking filter are used to block XGPON downstream signal with parallel transmission of GPON and CATV networks at the 1310/1490/1550 nm wavelengths. The product is available as an adapter form with SC/APC connectors. In contrast to alternative solutions, filter provides suppression of blocked power which not flow back to transmitter and not pose the risk of introducing additional noise and degrading signal quality, often resulting in transmission interference.



APPLICATION FIELDS:

- ✓ xPON networks
- ✓ HFC and cable networks
- ✓ Other optical telecommunication networks

FEATURES AND ADVANTAGES:

- ✓ Low Insertion loss
- ✓ High isolation
- ✓ Adapter housing

TECHNICAL SPECIFICATION:

Parameter	Unit	Value
Transmitted signal bandwidth	nm	1260-1560
Blocked signal bandwidth	nm	1575-1581
Insertion loss	dB	0.8
Attenuation of blocked band	dB	≥ 43
PDL	dB	< 0.2
Return loss	dB	≥ 45
Storage temperature	°C	-20 - +70 °C
Operating temperature	°C	-20 - +70 °C
Fiber type		G.652D

ORDERING INFORMATION:

FWDM-G1-1-11-12601560-15751581-A-SCA-SCA – FIBRAIN DS XGPON BLOCKING FILTER, PASSBAND 1260-1560NM, BLOCKBAND 1575-1581NM, ISOLATION > 43DB, RETURN LOSS > 45DB, IL < 0.8DB, ADAPTER HOUSING, SCAPC CONNECTORS

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.