



Filter Specifications

Features

1. Easy to install
2. Low insertion loss
3. Environmental stability
4. Bi-directional

Applications

1. FTTx
2. XG-PON/XS-PON/10G PON
3. RF Overlays
4. Block Video 1550nm signals

Maxcom SC Style Pluggable Blocking Filters are made for systems that offer RF Overlays and want to block the 1550nm Video Signal yet allow G-PON and/or XGS PON (10G/XG-PON) services to pass. This solution is used for fiber to the home/premises (FTTx) with RF Overlay, for a simple, economic, high performance, and compact approach. The blocking filter is easily installed on existing ONU equipment, at the home demark, or elsewhere in the network, to block the 1550nm Video signal RF Overlay from being received by customers.



SC/APC Male/Female

Specification

Blocked Wavelength:	Block/Filter Center Wavelength 1550 nm (1545~1555 nm)					Remarks
	Parameter	Units	Minimum	Typical value	Maximum	
Insertion Loss :	1270nm & 1310nm	dB	.5	1.2	1.5	
	1470nm & 1577nm	dB	.5	1.2	1.7	
	PDL / PMD	dB			.2	0.2 ps
1550nm Video Signal Attenuation:	1545nm-1555nm	dB	25		45	
Maximum Input power:		dBm	27			
Durability:		times	500			
Connector :	SC/APC Male & SC/APC Female					
Application Environment:	-40°C~+85°C storage / -5°C~+70°C operating temperature					

Maxcom Part Number:
MX-FWDM-SCA-R1550

Additional Custom wavelengths and filter configurations available. Contact your Maxcom Rep for additional information.

Application Diagram

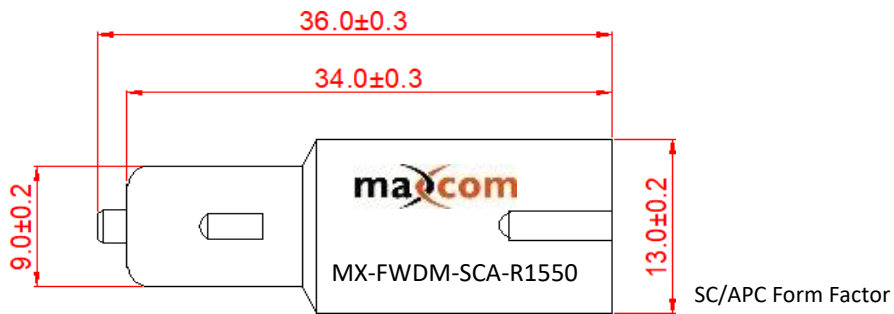


MX-FWDM-SCA-R1550

Removes Video
1550nm
Wavelength



***1550nm – Block 1545nm to 1555nm**



*All product, product specifications and data are subject to change without notice to improve reliability, function, design or otherwise.
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