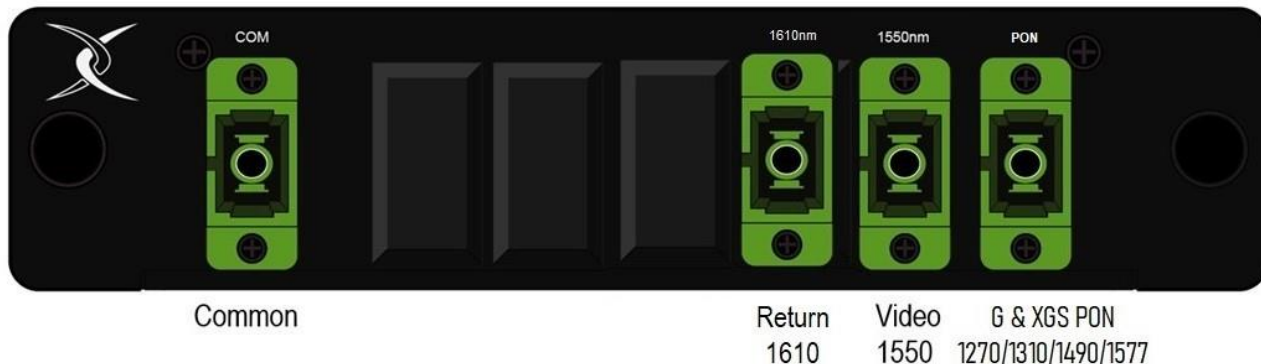




Coexistence Filter for RFoG, RF Overlay, Combo GPON & XG(S)PON



LGX Module w/ WDM Filters illustrated above

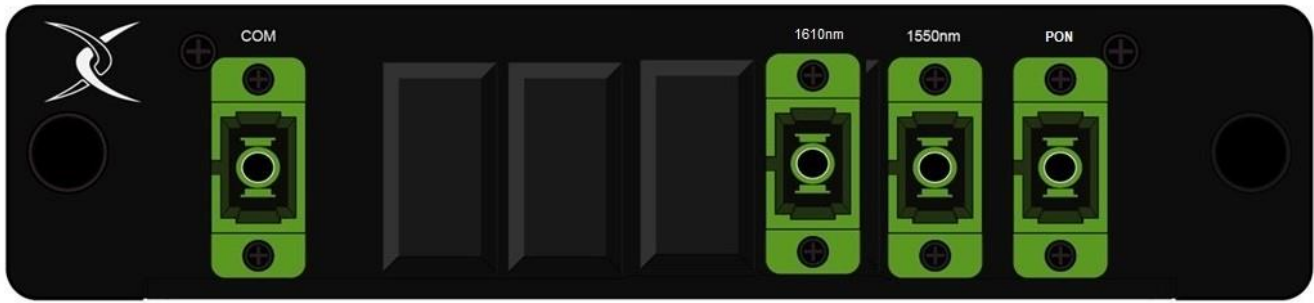
(All parameters are referenced without connectors. Typical connector loss 0.25 dB/pair)

Parameters	Specifications	Unit
PON Port Wavelengths Bandwidth	1260~1280 / 1290~1330 / 1480~1500 / 1575~1580	nm
PON Port Wavelengths passed	1270, 1310, 1490, 1577nm	nm
Video (1550)	1525~1560	nm
Return Path (1610)	1596~1650	nm
PON Band insertion loss	< 1.0/1.9	dB
XGSPON Band insertion loss	< 1.0/1.2	dB
Video Band insertion loss	< 1.0/1.9	dB
Return Band insertion loss	< 1.0/1.9	dB
Isolation	Com to G/XGS PON \geq 30, Vid/Return \geq 15	dB
PDL (Polarization dependence loss)	\geq 0.5ps/km0.5	dB
PMD (Polarization mode dispersion)	\leq .2	ps
Return Loss	\geq 50	dB
Directivity	\geq 50	dB
Optical Power Handling	+23	dBm
Operating Temperature	-5~70	$^{\circ}$ C
Storage Temperature	-40~85	$^{\circ}$ C
Optical Connector Type	SC/APC or customer specified	

Form factor or dimensions may be customized and fit into LGX type modules, tube type, 1RU rack mounted type

Part# **MX-GX-RFoG** Optional: LGX Mounting Plate (holds 3 LGX modules in 1U 19") part# **MX/LGX-3-1R-F**





Common

Return
1610

Video
1550

G & XGS PON
1270/1310/1490/1577



WAVELENGTH DETAIL for GPON, xGPON, and RFoG:

