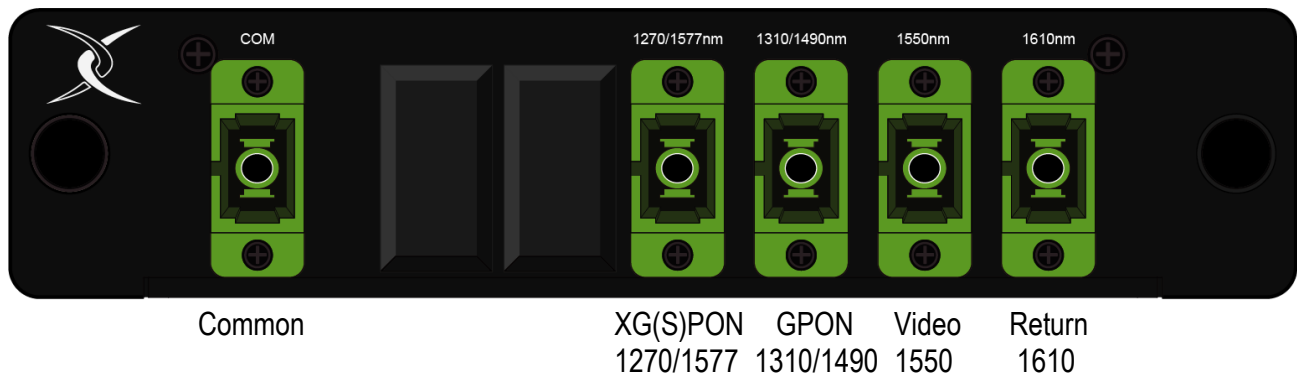




Coexistence Filter for RFoG, RF Overlay, GPON, XG(S)PON



LGX Module w/ WDM Filters illustrated

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

Parameters	Specifications	Unit
GPON Band	1290~1330 / 1480~1500	nm
XGPON Band	1260~1280 / 1575~1580	nm
Video (1550)	1525~1560	nm
Return Path (1610)	1596~1650	nm
GPON Band insertion loss	< 1.0/1.9	dB
XGSPON Band insertion loss	< 1.0/1.9	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 ≥ 30 , Vid/Return ≥ 15	dB
PDL (Polarization dependence loss)	≥ 0.5 ps/km0.5	dB
PMD (Polarization mode dispersion)	$\leq .2$	ps
Return Loss	≥ 50	dB
Directivity	≥ 50	dB
Optical Power Handling	+23	dBm
Operating Temperature	-5~70	°C
Storage Temperature	-40~85	°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-G-X-PON-RFoG** Optional: LGX Mounting Plate (holds 3 LGX modules in 1U 19") part# **MX/LGX-3-1R-F**



Model: MX-G-X-PON-RFoG

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Example Configuration in LGX format.
Various form factors available.

WAVELENGTH DETAIL for GPON, xGPON, and RFoG:

