



L Band Optical Receiver Data Sheet



PRODUCT FEATURES

- 950-2600MHz High bandwidth, Suitable for SAT-IF applications
- Receives all L Band LNB satellite signals over a single fiber
- Excellent P/P ratio

MAIN APPLICATION

- Satellite L Band fiber distribution system
- Satellite L Band fiber link

TECHNICAL INDEX

Optical feature

Performance	Unit	Min.	Typ.	Max.	Supplement
Operating wavelength	(nm)	1260		1820	
Each channel receiving optic power	(dBm)	-13		0	
Return loss	(dB)	50			
Optical connector					SC / APC

SAT feature

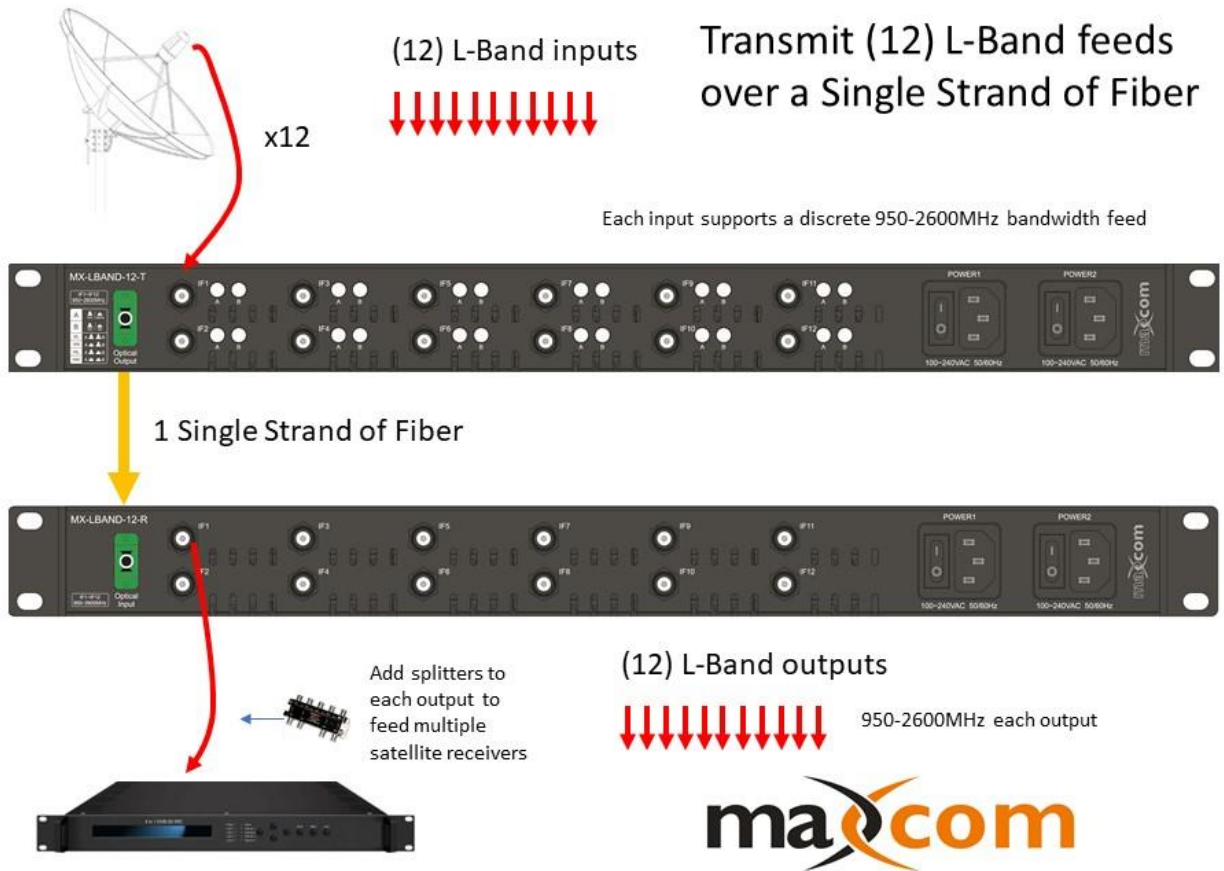
Performance	Unit	Min.	Typ.	Max.	Supplement
Working bandwidth	(MHz)	950		2150	Avail up to 2600
Output level	(dBmV)	10		30	
Flatness	(dB)	-1.5		+1.5	
Output Return loss	(dB)	12			
output impedance	(Ω)		75		
RF connector					F- Female

General feature

Performance	Unit	Min.	Typ.	Max.	Supplement
Power supply	(V)	90	220	265	VAC
Power consumption	(W)			50	
Operating temp.	(°C)	-5		+85	
Storage temp.	(°C)	-40		+85	
Relative humidity	(%)	5		85	
Size	(mm)		483 × 250 × 44		

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Application Example Diagram



Maxcom can easily customize our L-Band products to your requirements. Standard units support 10km distance, we have options available for longer haul applications as well. Please contact a Maxcom representative to help you with your application.

- **MX-LBAND-12-T** - 12 input L-Band Fiber Optic Transmitter (available in 10km, 12km, 25km, and 42km distances)
- **MX-LBAND-12-R** - 12 output L-Band Fiber Optic Receiver