



Sat-Light Series

12 Channel 10MHz/L-Band Diplexer



Features & Benefits

- 12Ch 10MHz/LBand Diplexer
- Single 10Mhz input feeds 12 L-Band
- Low 10MHz/L-Band insertion loss
- High isolation
- DC pass on L-Band port

Product Description

Global Foxcom 12Channel 10MHz / L-Band Diplexer.

Unique solution that enables the user to inject 10MHz reference signal from a centralized source into 12 Channel L-Band signals.

Users who rely on RF over Fiber equipment to transport LNB downlink signals can use the 7190M-12DPLX to conveniently distribute a 10 MHz reference signal across multiple channels while minimizing rack space.

The unit is made of a high-performance passive 12Ch 10MHz splitter, a sharp 10MHz Band pass filter and 12 independent L-band / 10MHz RF diplexers.

The diplexer is designed to pass the DC voltage required by the LNB, supplied by an L-Band satellite modem or RF over Fiber equipment.

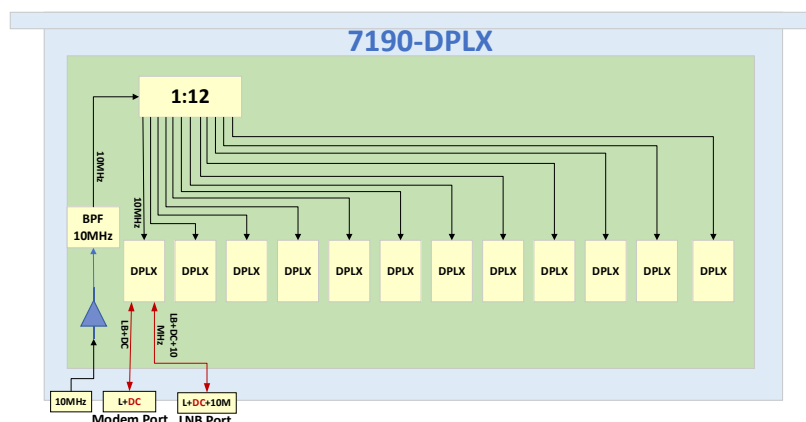
The 7190M-12DPLX-A is an active version of the standard 7190M-12DPLX that uses a linear amplification in front of the built-in 10MHz splitter, which allow a lower power 10MHz to be fed into the unit. The active version provides unity 0dB gain from its input to any of the LNB outputs.

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System Specifications

General	
Item Type	10MHz, 12Way Splitter / 12 Ch RF Diplexer
10MHz Splitter Type	Passive (Optional active)
DC Pass capability	L-Band to Common port
RF Specifications	
10MHz Pass Range	5 to 15MHz
10MHz Return loss	Over 15dB
20MHz 2 nd Harmonic filtering	Over 45dB
10MHz Insertion loss	Below 14dB / 0dB on active version
L-Band freq Range	950-3000MHz
L-Band Insertion loss	Below 1.2dB
L-Band Freq Response	±0.5dB
L-Band port to port isolation	Over 50dB
Physical Electrical / Specifications	
AC power connector	C13 (on Active version)
Dimensions	19" 1U
Operating temperature range	-40 to +75
Operating voltage	100-230VAC 50/60Hz (on active version)

Block Diagram



Ordering Information

Model Number	Description
7190M-12DPLX	12Ch, 10MHz / L-Band RF Diplexer, SMA RF Connectors. Housed in a 19" 1U.
7190M-12DPLX-A	12Ch, 10MHz / L-Band RF Diplexer, SMA RF Connectors, Active 10MHz splitter, operating on 100-230VAC 50/60Hz; housed in a 19" 1U.