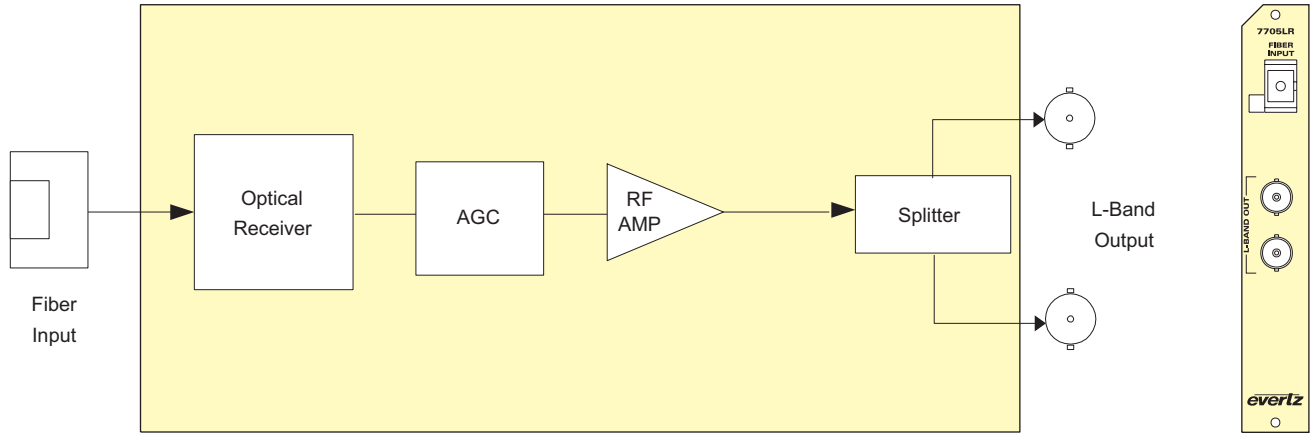


The 7705LR is a fiber optic receiver for L-Band satellite signals. The 7705LR accepts a fiber optic input from the 7705LTA and provides two L-Band RF output signals.

The 7705LR occupies one card slot and can be housed in either a 1RU frame, which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules or a standalone enclosure which will hold 1 module.

►Features & Benefits

- Broadband operation - 950 to 2250MHz
 - Supports manual and automatic gain control (AGC)
 - Wide AGC hold range (50dB) using 7705LTA + 7705LR
 - Protocol transparent - receives all video, audio and data modulation formats
 - Two L-Band RF outputs for extra signal distribution or monitoring functions
 - RF output independent of optical loss (within AGC range)
- Available with BNC or F-Type connector options
 - Supports single-mode and multi-mode fiber optic cable
 - Available in SC/PC, ST/PC, FC/PC and APC connector options
 - Fully hot-swappable from front of frame



►Specifications

RF Output: Number of outputs: 2 Connector: 1 BNC per IEC 61169-8 Annex A (F-type optional) I/O Impedance: 75Ω (50Ω optional) Return Loss: > 10dB Frequency Range: 950MHz-2250MHz Flatness: ±1.5dB (max) @ 950MHz-2250MHz ±0.25dB @ any 36MHz BW Output Signal Level: AGC Mode: -20dBm constant (within AGC range) Manual Mode: -20 to -65dBm (depends on RF level and optical loss) Intermodulation Products: -55dBc (-20dBm RF input to TX, 1m fiber, AGC mode on TX & RX)	Optical Input: Number of inputs: 1 Connector: Female SC/PC, ST/PC, FC/PC, SC/APC, FC/APC Operating Wavelength: 1270nm-1610nm Optical Input Power: +3dBm (max) Optical Sensitivity: -14dBm @ 35dB S/N Optical Attenuation: AGC Hold Range: 10dB optical Electrical: Voltage: +12V DC Power: 4W EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive	Physical (number of slots): 350FR: 1 7700FR-C: 1 7800FR: 1 Compliance: Laser Safety: Complies with 24 CFR 1040.10 and 1040.11 EMI/RFI: Complies with FCC regulations for Class A devices Complies with EU EMC directive
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►Ordering Information

7705LR	L-Band Satellite Fiber Receiver
<i>Note: 75Ω I/O impedance ships standard</i>	
Ordering Options	Rear Plate and Fiber Connector must be specified at time of order Eg. Model +3RU +SC
Rear Plate Suffix	
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate
Impedance Suffix	
+50	50Ω I/O Impedance

Connector Suffix	
+SC	SC/PC
+AP+SC	SC/APC (Angle polished)
+ST	ST/PC
+FC	FC/PC
+AP+FC	FC/APC (Angle polished)
+F75	75Ω, F-Type rear connector
Enclosures	
350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure