

# 7705WDM, 7705WDM13/15, 7005DS, 7705MS

## 1310/1550nm WDM & Optical Splitters

### ►Features & Benefits

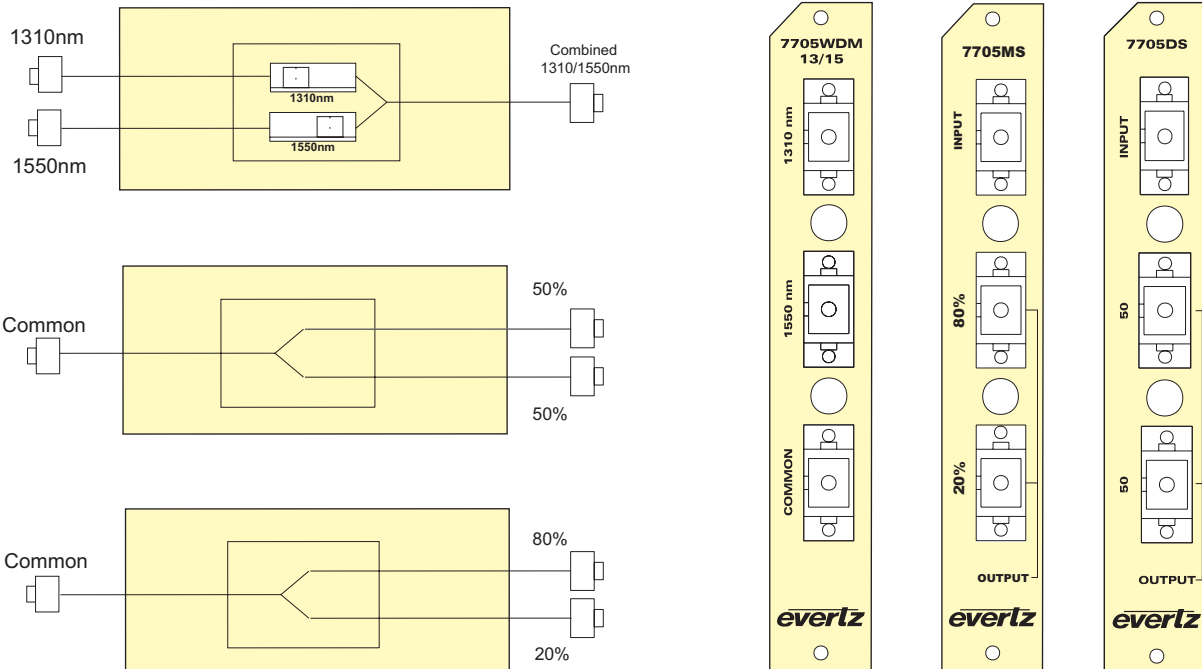
- Bi-directional operation handles 1310nm and 1550nm bands
- Passive design for any bit rate
- Fully hot-swappable from front of frame with no fiber disconnect/reconnect required
- Low insertion loss to conserve system power
- Supports single mode fiber
- Available in SC, ST & FC connector options

\*7705WDM, 7705DS and 7705MS to be used ONLY in Single Mode applications

### Functions

- 7705WDM - Combines/separates 1310nm and 1470nm-1610nm wavelengths on/from a single fiber
- 7705WDM13/15 - Combines/separates 1310nm and 1550nm wavelengths on/from a single fiber
- 7705DS - Splits one signal into two signals of 50% power or combines two signals into one output signal.
- 7705MS - Splits input signal into two signals of 80%/20% power - used for fiber confidence monitoring

### ►7705WDM, 7705WDM 13/15, 7705MS, 7705DS



### ►Specifications

Optical Input/Output:		Isolation:
Connector:	SC/PC, ST/PC, FC/PC female housing	7705WDM: > 50dB between 1310nm/1550nm ports with 1470nm-1610nm on 1550nm port
Wavelength:	1310nm and 1550nm bands	7705WDM13/15: > 25dB between 1310nm/1550nm ports at center wavelength $\pm 20$ nm
Fiber Size:	9 $\mu$ m core/125 $\mu$ m overall	
Insertion Loss:		
7705WDM:	1310nm port, 2dB Maximum Loss 1550nm port, 3dB Maximum Loss (1470nm-1610nm)	
7705WDM13/15:	1310nm port, 2dB Maximum Loss 1550nm port, 2dB Maximum Loss	
7705DS:	50% port, 4dB Maximum Loss	
7705MS:	80% port, 2dB Maximum Loss 20% port, 9dB Maximum Loss	
		<b>Physical (number of slots):</b>
		350FR: 1
		7700FR-C: 1
		7800FR: 1

### ►Ordering Information

<b>7705WDM</b>	Wideband wavelength Division Multiplexor
<b>7705WDM13/15</b>	Standard Wavelength Division Multiplexor
<b>7705DS</b>	Fiber Distribution Splitter
<b>7705MS</b>	Fiber Monitoring Splitter

#### Connector Suffix

+SC	SC/PC
+ST	ST/PC*
+FC	FC/PC*

\*Note: ST/PC & FC/PC connector option is available on 'COMMON' port only (SC/PC on remaining fiber I/O ports)

**Ordering Options** Rear Plate and Fiber Connector must be specified at time of order  
Eg: Model +SC +3RU

#### 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

#### Fiber Optic Patch Cable

See CWDM & DWDM Ordering Information Page

#### Enclosures

<b>350FR</b>	3RU Portable Multiframe which holds up to 7 single slot modules
<b>7700FR-C</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7800FR</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7801FR</b>	1RU Multiframe which holds up to 4 single or 2 dual slot modules
<b>7701FR</b>	1RU Multiframe which holds up to 3 single or dual slot modules
<b>S7701FR</b>	Standalone Enclosure