

Purpose:

To define the general parameters for Fiberdyne Coupler/Splitter Modules. The “N-ports” have equal split percentages. Custom split percentages are available.

Specifications: Insertion Loss (dB) – maximum \*

<i>Even-Splits</i>	<i>Port Count ** (1xN ***)</i>											
<i>Splitter Type</i>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>16</b>	<b>32</b>
Single-mode, Single-window												
- Standard	6.1	7.3	8.9	9.8	10.9	11.1	12.3	12.7	13.2	13.6	14.8	18.4
- Premium	5.9	7.0	8.5	9.5	10.5	10.7	11.7	12.2	12.8	13.0	14.2	17.7
- Exact	5.3	6.5	7.8	8.6	9.5	9.8	10.6	11.1	11.5	11.9	13.1	16.4
Single-mode, Dual-window												
- Ultra	5.6	6.7	7.9	9.0	9.9	10.1	11.1	11.6	11.9	12.4	13.5	16.9
Multimode (OFL), Dual-window												
- Premium	6.8	8.5	10.2	11.3	12.4	13.0	14.0	14.7	15.3	15.8	17.5	21.6
Multimode (RML), Single-window												
- Premium	6.7	8.3	9.8	10.9	12.0	12.5	13.6	14.1	14.6	15.1	16.7	20.8

Notes:

\* Insertion Loss values do not include connector losses.

\*\* Modules with alternate port quantities and uneven split ratios are available (e.g. a 1x5 may have outputs as follows: 30%, 20%, 20%, 15% and 15%).

\*\*\* 2xN modules also available. Depending on the configuration, Insertion Loss may be 3.4 dB larger.

Packaging:

All standard, Fiberdyne modules are available. For ADC/Corning/Lucent/etc. module dimensions, review Fiberdyne's online “Coupler Reference Drawing.”

<http://www.fiberdyne.com/products/pdf/modulereference.pdf>

Standard Port Configuration:

- 1 Common: connect to transmitter (i.e. splitter) or to fiber link (i.e. coupler).
- 3+ Input/Output ports: labeled with split percentage (e.g. “90%” for 90/10).