

Single Window Singlemode Coupler/Splitter

Charts

- [Exact Coupler/Splitter Specifications](#)
- [Premium Coupler/Splitter Specifications](#)
- [Coupler/Splitter Part Number Matrix](#)

- **Features:**
 - Low PDL
 - Low Insertion Loss
 - Excellent Uniformity
 - High Directivity
 - Bi-directional
 - Exact Splits 1-50

- **Specifications:**
 - Center Wavelength 1310, 1550nm
 - Bandwidth +/- 10 nm
 - Directivity 50 dB Min.
 - Operating Temperature -40°C to +85°C
 - < -65 dB Back Reflection

- **Dimensions: Packages**
 - 250µm 0.13" x 2.2"
 - 900µm 0.13" x 2.2"
 - 2mm & 3mm Heavy Duty Options See Part Number Matrix
 - Y Cable 3mm, 1 Meter



1x2 250um Medium Duty Coupler/Splitter

Single Window Exact Coupler/Splitter Specifications		Exact	Premium
Center Wavelength 1310, 1550	Exact Loss Max.	.07dB	.1dB
Bandwidth + - 10nm	Polarization Dependent Max.	.1dB	.15dB

Exact Coupler/Splitter Specifications

Part Number	Split Ratio	Max Insertion Loss	Part Number	Split Ratio	Max Insertion Loss
FSC-XXX-050-0XX	50/50	3.22/3.22	FSC-XXX-075-0XX	75/25	1.45/6.28
FSC-XXX-051-0XX	51/49	3.14/3.31	FSC-XXX-076-0XX	76/24	1.39/6.46
FSC-XXX-052-0XX	52/48	3.05/3.40	FSC-XXX-077-0XX	77/23	1.33/6.65
FSC-XXX-053-0XX	53/47	2.97/3.50	FSC-XXX-078-0XX	78/22	1.28/6.85
FSC-XXX-054-0XX	54/46	2.89/3.59	FSC-XXX-079-0XX	79/21	1.22/7.05
FSC-XXX-055-0XX	55/45	2.81/3.69	FSC-XXX-080-0XX	80/20	1.17/7.27
FSC-XXX-056-0XX	56/44	2.73/3.79	FSC-XXX-081-0XX	81/19	1.11/7.50
FSC-XXX-057-0XX	57/43	2.65/3.89	FSC-XXX-082-0XX	82/18	1.06/7.74
FSC-XXX-058-0XX	58/42	2.57/3.99	FSC-XXX-083-0XX	83/17	1.01/8.00
FSC-XXX-059-0XX	59/41	2.50/4.10	FSC-XXX-084-0XX	84/16	0.95/8.27
FSC-XXX-060-0XX	60/40	2.42/4.20	FSC-XXX-085-0XX	85/15	0.90/8.56
FSC-XXX-061-0XX	61/39	2.35/4.32	FSC-XXX-086-0XX	86/14	0.85/8.87
FSC-XXX-062-0XX	62/38	2.28/4.43	FSC-XXX-087-0XX	87/13	0.80/9.20
FSC-XXX-063-0XX	63/37	2.21/4.55	FSC-XXX-088-0XX	88/12	0.75/9.56
FSC-XXX-064-0XX	64/36	2.14/4.67	FSC-XXX-089-0XX	89/11	0.70/9.96
FSC-XXX-065-0XX	65/35	2.07/4.79	FSC-XXX-090-0XX	90/10	0.65/10.32
FSC-XXX-066-0XX	66/34	2.01/4.92	FSC-XXX-091-0XX	91/9	0.60/10.80
FSC-XXX-067-0XX	67/33	1.94/5.05	FSC-XXX-092-0XX	92/8	0.56/11.33
FSC-XXX-068-0XX	68/32	1.88/5.19	FSC-XXX-093-0XX	93/7	0.51/11.94
FSC-XXX-069-0XX	69/31	1.81/5.33	FSC-XXX-094-0XX	94/6	0.46/12.65
FSC-XXX-070-0XX	70/30	1.75/5.47	FSC-XXX-095-0XX	95/5	0.42/13.40
FSC-XXX-071-0XX	71/29	1.69/5.62	FSC-XXX-096-0XX	96/4	0.37/14.43
FSC-XXX-072-0XX	72/28	1.63/5.78	FSC-XXX-097-0XX	97/3	0.32/15.78
FSC-XXX-073-0XX	73/27	1.57/5.94	FSC-XXX-098-0XX	98/2	0.28/17.74
FSC-XXX-074-0XX	74/26	1.51/6.10	FSC-XXX-099-0XX	99/1	0.24/21.42

Premium Coupler/Splitter Specifications

Part Number	Split Ratio	Max Insertion Loss
FSC-XXX-150-0XX	50/50	3.48/3.48
FSC-XXX-155-0XX	55/45	3.04/3.97
FSC-XXX-160-0XX	60/40	2.64/4.52
FSC-XXX-165-0XX	65/35	2.28/5.15
FSC-XXX-170-0XX	70/30	1.94/5.89
FSC-XXX-175-0XX	75/25	1.63/6.78
FSC-XXX-180-0XX	80/20	1.34/7.90
FSC-XXX-185-0XX	85/15	1.06/9.41
FSC-XXX-190-0XX	90/10	0.80/11.75
FSC-XXX-195-0XX	95/05	0.56/17.19
FSC-XXX-199-0XX	99/01	0.38/21.75