

FBT Coupler

Visible Wavelength Single Window Coupler

➔ Specifications (50/50)

| Parameter | Premium | |
|---------------------------------|---|--------------------------|
| Center Wavelength | See order information (choose from 400-700nm) | |
| Band Pass | ±10 nm | |
| Insertion Loss | ≤ 3.8 dB | |
| Uniformity | ≤ 1.0 dB | |
| Return Loss | ≥ 55 dB | |
| PDL | ≤ 0.15 dB | |
| Operating & Storage Temperature | - 40° C ~ + 85° C | |
| Package Dimensions | Light Duty (B) | 3.0mm (Φ) x 55.0mm (L) |
| | Medium Duty (L) | 3.0mm (Φ) x 60.0mm (L) |
| | Heavy Duty (K, R) | 100.0mm x 12.0mm x 8.0mm |

➔ Tap Coupler

| Coupling Ratio | Max Insertion Loss |
|----------------|--------------------|
| | Premium |
| 40/60 | 4.8/ 2.8 dB |
| 30/70 | 6.1/2.0 dB |
| 20/80 | 8.0/1.3 dB |
| 10/90 | 12.0/0.8 dB |
| 5/95 | 14.5/0.5 dB |
| 1/99 | 22.0/0.3 dB |

Note1: All values specified are without connectors.

Note2: Higher performance specifications are available upon request.

➔ Tree Couplers

| *Port # | Max IL | Uniformity |
|---------|---------|------------|
| | Premium | Premium |
| 1 x 4 | 7.5 dB | 2.0 dB |
| 1 x 8 | 11.0 dB | 2.5 dB |
| 1 x 16 | 15.0 dB | 3.0 dB |

*Other port numbers upon request.

➔ Ordering Information

| S | W | C | Grade | Coupling Ratio | Center Wavelength | Fiber Length | Pigtail Style | Connector |
|-----------|-----------|-----------|------------|---------------------------------|--------------------------|--|---|--|
| 12: 1 x 2 | 22: 2 x 2 | 14: 1 x 4 | P: Premium | xy % : xy % EVEN: Even split | Example: 460 = 460 nm | 1: 1 meter 2: 2 meter S: Special | (=Package style) B: bare fiber L: 900 μm loose tube K: 2mm cable R: 3mm cable | 0: None 1: FC/PC 2: FC/APC 3: SC/PC 4: SC/APC 5: FC/SPC 6: SC/SPC 7: LC/UPC 8: LC/SPC 9: Special A: FC/UPC B: SC/UPC C: ST |