

1x2 Multimode Optical Splitter



Description:

FIBERONE® fused biconical tapered (FBT) multimode splitters are available in a wide range of split ratios and options to suit a variety of applications. Available with 250 , 900 um fiber, the low profile stainless steel tube package provides bi-directional performance at both 850 and 1300 nm. A ruggedized package is available for 3.0mm jacket applications with the same superior performance. Optional connectors are available and all test data is provided with each unit.

Features:

- Variety of Split Ratios
- Ruggedized Package Option
- Bi-Directional
- Low Excess Loss

Specifications:

| Dimensions | 250um Coated Fiber L: 54mm x D: 3mm | 900um Loose Tube L: 65mm x D: 3.5mm | 3.0mm PVC L: 95mm x D: 9.5mm x W: 11mm | | |
|--------------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------|--------------------------|---------------------------|
| Wavelength | 850 & 1300 nm +/- 40 | | | | |
| Uniformity | 0.5 dB (Max) | | | | |
| Directivity | -55 dB | | | | |
| Coupling Ratio Tolerance | 5 % | | | | |
| Temperature Coefficient | 0.002 dB / °C | | | | |
| Operating Temperature | - 40 to + 65 °C | | | | |
| Insertion Loss (Max) | 50/50 Split 3.7 | 40/60 Split 4.8 / 2.8 | 30/70 Split 6.1 / 2.0 | 20/80 Split 8.0 / 1.3 | 10/90 Split 11.8 / 0.8 |
| Fiber Type (Other Options Available) | 50 or 62.5/125 um (Graded Index) | | | | |