2×2 1550nm PM FBT Splitter With Steel Tube, Slow Asix Working

The 2×2 1550nm PM FBT Splitter with Steel Tube is an optical power splitter that divides a single input fiber into two output fibers, and vice versa, while maintaining the polarization of the signal. Designed for the 1550nm wavelength, it is ideal for long-range telecommunications and other high-performance fiber-optic networks. Utilizing FBT (Fused Biconical Taper) technology, it offers reliable and cost-effective signal splitting, though with slightly higher insertion loss compared to more advanced solutions like PLC splitters. The steel tube housing provides enhanced mechanical protection, ensuring durability and reliability, even in harsh environments. This splitter is perfect for applications requiring precise polarization control, such as in telecom, optical sensing, and industrial settings.

Specifications

Parameter	Unit	Value
Port Configuration	–	1×2
Wavelength	nm	1550
Operating Bandwidth	nm	±20
Split Ratios	–	1/99~50/50(Reference Data 50/50)
Insertion Loss	dB	≤3.6
Extinction Ratio	dB	≥20
Return Loss	dB	55
Fiber Type	–	PM Panda Fiber
Fiber Length	m	1 Or Customize
Operating Temperature	℃	-10 ~ +70
Storage Temperature	℃	-40 ~ +85
Package Size	mm	Φ3×54

Note: For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default conenctor key is aligned to slow axis.

Dimension