

PON-POS-1 (FBT Splitter)

Single-wavelength Fused Bi-conical Taper 1×N splitter

PRODUCT DESCRIPTION

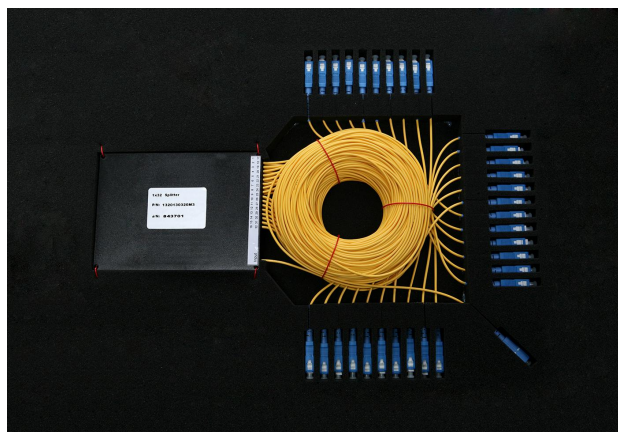
GT single-wavelength Fused Bi-conical Taper (FBT) 1×N star optical fiber splitter is the series connection of N-1 pieces of 1×2 splitter. The bandwidth of +/-40nm under 1310nm, 1490nm or 1550nm makes the splitter meet the requirement of ratio accuracy. And it has feature of low additional loss and low polarization sensibility loss.

PRODUCT FEATURE

- ▶ Broadband
- ▶ Low loss
- ▶ Low polarization sensibility loss.
- ▶ Can resist the change of environment.

MAIN APPLICATION

- ▶ FTTP (FTTH, FTTO)
- ▶ FTTB, FTTC, FTTN
- ▶ HFC



TECHNIQUE INDEX

Operating wavelength(nm)		1310±40nm or 1490±40nm or 1550±40nm							
Ratio(dB)		1×4		1×8		1×16		1×32	
Insertion loss Max(dB)		S6.8	P6.2	S10.2	P9.3	S13.6	P12.4	S17.0	P15.5
Uniformity Max(dB)		≤1.4		≤2.1		≤2.8		≤3.5	
Reflect loss	APC	S50	P55	S50	P55	S50	P55	S50	P55
Min (dB)	UPC	S45	P50	S45	P50	S45	P50	S45	P50
Polarization dependent loss Max(dB)		≤0.2		≤0.3		≤0.4		≤0.5	
Stable temp. (-40~85℃)(dB)		≤0.2		≤0.3		≤0.4		≤0.5	
Directivity Min(dB)		≥60							
Pigtail length(m)		1.0±0.1 or customer specified							
Fiber type		SMF-28. 0.9, 2, 3mm or customer specified							
Operating temp.(℃)		-20~70							
Storage temp.(℃)		-40~85							
Size (L×W×H)		106×79×10(mm)		125×96×15(mm)		145×116×18(mm)		145×116×18(mm)	

Note: 1. All measurement were done at room temperature, and specification include connectors.

2. S: standard P: optimum