

Fused Biconic Taper (FBT) Coupler – Single Device

Features:

Low Excess Loss
Wide Operating Temperature Range
Telcordia GR-1221-Core Compliant

Applications:

FTTH Networks
CATV Networks
Optical Test Equipment



Specification:

Parameter	Unit	Value						
Operating Wavelength	nm	1310 and 1550						
Operating Bandwidth	nm	± 40						
Coupling Ratio	nm	1/99	5/95	10/90	20/80	30/70	40/60	50/50
Excess Loss	dB	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Insertion Loss	dB	22/0.3	15.2/0.4	11/0.6	7.8/1.2	5.5/1.7	4.6/2.7	3.4
Directivity	dB	>55						
PDL	dB	<0.1`						
Operating Temperature	°C	-40 - 85						
Storage Temperature	°C	-40 - 85						
Mechanical Dimension -250um bare fiber	mm	Std: 3.0(D)x54(L) Mini: 2.4(D)x42(L)						
Mechanical Dimension -900um loose tube	mm	Std: 3.0(D)x70(L) Mini: 3.0(D)x56(L)						
Mechanical Dimension -3mm loose tube	mm	30(L)x14(W)x8.5(H)						

Ordering Information:

CD	Wavelength	Split Ratio	Cable Diameter	Fiber Length	Connector	Package	Running Numbers
	53	-	-	-	-	-	000
	1310nm	01: 1/99	25: 250um	1: 1 Meter	00: No Conn	C: Cassette	
	1550nm	05: 5/95	09: 900um	C: Custom	FA: FC/APC	L: LGX	
		10: 10/90	30: 3mm		FU: FC/UPC	T: Tube	
		20: 20/80			SA: SC/APC	O: Others	
		30: 30/70			SU: SC/UPC		
		40: 40/60			LU: LC/UPC		
		50: 50/50					
		CC: Custom					