

Single Window Fused Tap Coupler

Applications:

Fiber Distribution
Signal Monitoring
Power Splitting



Features:

Low Insertion Loss

Low PDL

Wide Operating Temperature Range

Telcordia GR-1221 Compliant

Description:

Go!Foton's Single Window Fused Coupler (FFCT-S) can be used to split light from one fiber to two fibers or to combine light from two fibers to one and provide high performance within the signal wavelength. These devices are ideal for CATV systems and fiber telecommunications, and provide low insertion loss with high reliability.

Specifications:

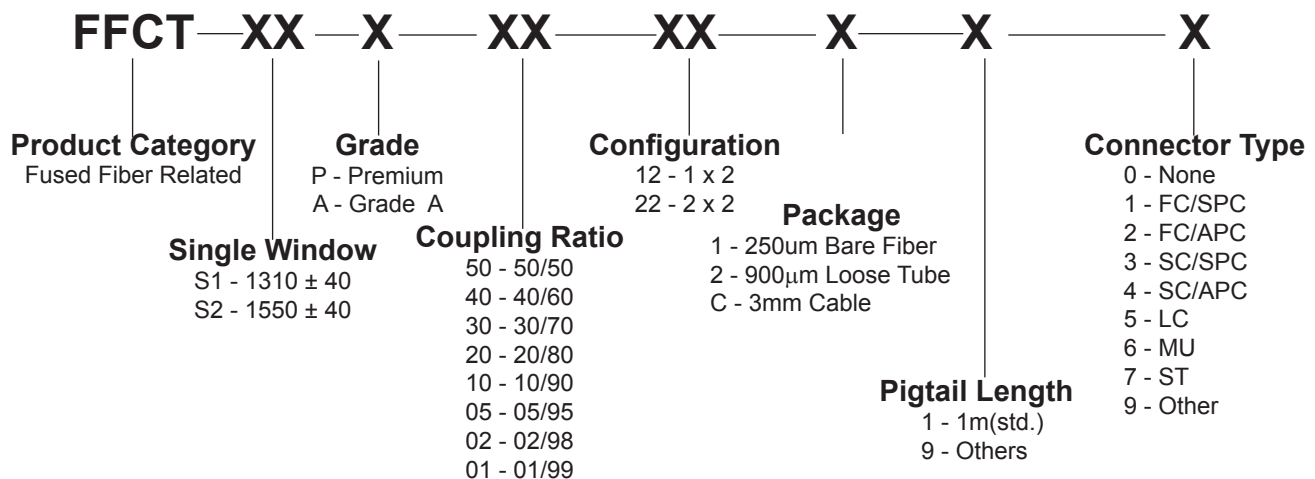
Grade	Premium	Grade A
Wavelength (nm)	1310 ± 40 or 1550 ± 40	
Insertion Loss Tap Ratio (dB) Max		
50/50	3.4	3.6
40/60	4.4/2.5	4.6/2.8
30/70	5.6/1.8	6.0/2.0
20/80	7.4/1.2	7.7/1.3
10/90	10.8/0.6	11.2/0.7
5/95	14.0/0.4	15.4/0.5
2/98	19.0/0.2	19.5/0.3
1/99	21.5/0.2	22.0/0.3
Uniformity ¹ (dB) Min	0.6	0.8
Polarization Dependent Loss ¹ (dB) Max	0.1	0.15
Directivity (dB) Min	55	
Maximum Power Handling (mw)	500	
Operating Temperature ² (°C)	-40 to 85	
Storage Temperature (°C)	-40 to 85	
Fiber Type	SMF-28e or Equivalent	
Package Dimension (mm)	250µm Bare Fiber: (φ)3.0 x (L)45	
	900µm Loose Tube: (φ)3.0 x (L) 65	
	3mm Cable: (L)80 x (W)12 x (H)7	

All specifications are without fiber connectors.

¹ For 50/50 Tap only

² -10 ~ 70°C for loose tube and Cable

Ordering Information:



Example: FFCT - S2 - P - 50 - 12 - 1 - 1 - 4

Fused Fiber Coupler, Single Window @ 1550nm, Premium Grade, with 50/50 Coupling Ratio, 1 x 2 Configuration, SMF-28e 250um Bare Fiber, 1m with SC/APC connectors on all port

Document # GF-S-MKT-FFCS-REV6-09-09