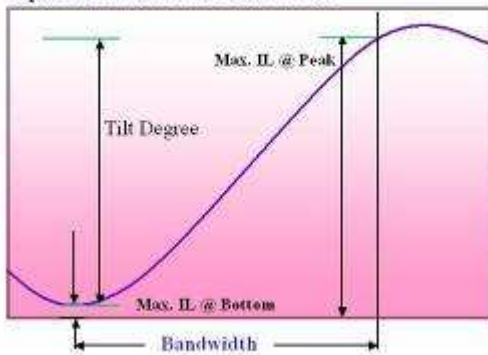


# Fused Single Mode Fiber Tilt Filter

Optical Performance Definition



## Product Features

- Low PDL
- Low PMD
- Low Insertion Loss
- Stable and Reliable

## Product Applications

- Optical Amplification
- Optical Testing System
- Optical Module
- FTTx

## Specifications

Parameter	Unit	Premium	A grade
Port Configuration		1x1	
Bandwidth	nm	+/-15, +/-20, +/-40nm	
Return Loss*	Min. dB	50	
Tilt Degree	Typ. dB	0.5, 1, 2, 3, 4, 5	
Operating power	Max. W	2	
Operating Temperature	°C	-40 to +85	
Storage Temperature	°C	-50 to +85	
Package Type	mm	S7	Ø3x60: for bare fiber

\* Test at central wavelength only.

## Performance Table

Tilt Degree (dB)	Maximum Insertion Loss (dB)					
	Premium			A grade		
	Max IL (dB) at Bottom	Max IL (dB) at Peak	Tolerance (dB)	Max IL (dB) at Bottom	Max IL (dB) at Peak	Tolerance (dB)
0.5	0.1	0.6	+/-0.1	0.15	0.7	+/-0.2
1.0	0.2	1.15	+/-0.2	0.25	1.3	+/-0.3
2.0	0.3	2.3	+/-0.25	0.4	2.4	+/-0.5
3.0	0.5	3.4	+/-0.35	0.6	3.6	+/-0.6
4.0	0.6	4.5	+/-0.5	0.7	4.7	+/-0.7
5.0	0.7	5.6	+/-0.6	0.9	5.8	+/-0.8

## Ordering Information

S	T	F								
Wavelength	Bandwidth	Tilt Degree	Tilt Direction	Grade	Package	Fiber Type	Fiber Length	Connector		
2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm P=2000nm S=Specify	1= ± 15nm 2= ± 20nm 3= ± 30nm 4= ± 40nm	05=0.5dB 10=1.0dB 20=2.0dB 30=3.0dB 40=4.0dB 50=5.0dB	P=Positive N=Negative	P=Premium A=A grade	6=S7 with 250um bare fiber	1=SMF-28e	0=0.5m 1=0.75m 2=1.0m S=Specify	0=None		

Note: 1. Central Wavelength can be customized for different applications.  
2. All specifications are before connectors and are subject to change without notice.