

Fused SM Fiber Attenuator



Product Features

- Low PDL
- High Power Handling
- Telcordia GR-1221 Compliant Test

Product Applications

- Optical Communication System
- Optical Testing System
- Optical Power Monitoring
- EDFA Module

Specifications

Parameter	Unit	Premium	A grade	Premium	A grade	
Port Configuration		1x1				
Central Wavelength	nm	780, 830, 980, 1064		1310~2000		
Bandwidth	nm	±10		±20		
Excess Loss	Typ.	dB	0.5	0.6	0.4	0.6
Excess Loss	Max.	dB	0.7	0.8	0.6	0.8
Operating power	Max.	W	5			
Operating Temperature	°C	-40 to +85				
Storage Temperature	°C	-50 to +85				
Package Type	mm	S6	Ø3x54: for bare fiber			
		S8	Ø3x70: for 0.9mm loose tube			
		M1	9x16x90: for 0.9mm loose tube or 2mm cable or 3mm cable			

Insertion Loss and Its Tolerance & PDL

IL (dB)	IL Tolerance (dB)		PDL (dB)			
	Premium	A grade	780nm, 830nm, 980nm, 1064nm		1310~2000nm	
			Premium	A grade	Premium	A grade
1	±0.1	±0.2	0.15	0.2	0.1	0.15
2	±0.2	±0.3	0.15	0.2	0.1	0.15
3	±0.3	±0.4	0.15	0.2	0.1	0.15
5	±0.7	±0.8	0.15	0.2	0.1	0.15
10	±1.0	±1.2	0.15	0.2	0.1	0.15
15	±1.8	±2.2	0.15	0.2	0.1	0.15
20	±2.5	±3.0	N/A	N/A	N/A	N/A
30	±3.0	±4.0	N/A	N/A	N/A	N/A
40	±4.0	±5.0	N/A	N/A	N/A	N/A

Ordering Information

F	O	A								
Wavelength	Insertion Loss	Bandwidth	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
1=1625nm	01=1.0dB	N=Narrowband	P=Premium	5=S6	1=G652 or	S=250µm	0=0.5m	0=None		
2=1590nm	02=2.0dB	B=Broadband	A=A grade	7=S8	Equivalent	bare fiber	1=0.75m	1=FC/PC		
3=1570nm	03=3.0dB			D=M1	5=980-20	M=0.9mm	2=1.0m	2=FC/SPC		
4=1550nm	05=5.0dB				6=SM1060	loose tube	3=1.5m	3=FC/APC		
5=1480nm	10=10dB				7=SM1060 FLEX	L=3mm cable	4=2.0m	4=SC/SPC		
6=1475nm	15=15dB				8=980-16	R=2mm cable	S=Specify	5=SC/APC		
7=1310nm	20=20dB				9=SM780			6=ST		
8=1064nm	30=30dB				H=SM1950			7=FC/U/PC		
R=1030nm	40=40dB				L=Large mode			8=SC/U/PC		
9=980nm					area fiber			9=MU		
A=850nm								A=LC/PC		
K=830nm								B=SC/PC		
L=780nm								C=LC/U/PC		
P=2000nm								D=LC/APC		
S=Specify										

Note: 1. Central Wavelength can be customized for different applications.
 2. All specifications are before connectors and are subject to change without notice.
 3. All data are measured at central wavelength at room temperature.