Prostal Limited.
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Build-out Attenuator

Rev. 16A

Description

Prostal's SM and MM Attenuators can be applied to adjust the power levels of signals in optical communications at the output of light sources, E/O converters and for testing the linearity or dynamic range of optical power meters.

Prostal Attenuators can also be used in optical amplifier systems to balance the gain across the different operating wavelengths. We manufactures the SC, SC/APC, FC, FC/APC, ST, D4, DIN, LC and MU styles to meet your specific requirements.

Features

- Precise attenuation value
- Excellent reflectance
- Perfect environmental stability and reliability
- Flawless end face
- Dual window (1310nm/1550nm)
- 1dB increment

Applications

- Telecommunications
- CATV / LAN, FTTH
- Subscriber loop

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Product Specifications

Specifications		Value	
Item		**Single-Mode**	**Multi-Mode**
Wavelength		1310nm and 1550nm	850nm
		1310nm or 1550nm	
Attenuation Range		1dB ~ 30dB	1dB ~ 10dB
Attenuation Variation		≦ 5dB: ±0.5dB, ±0.75dB	≦ 6dB: ±1dB
		>5dB: ±10%, ±15%	>6dB, ±15%
Reflectance	PC	≧50dB	≧30dB
	UPC	≧55dB	
	APC	≧65dB	
Operation Temperature		-40℃ ~ 75℃	-40℃ ~ 75℃
Storage Temperature		-40℃ ~ 85℃	-40℃ ~ 85℃

Ordering Information

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Connector:
1 = SC/UPC
2 = FC/UPC
3 = SC/APC
4 = FC/APC
5 = LC/UPC
6 = MU/UPC
7 = ST/UPC
8 = D4/PC
9 = LC/APC
A = MU/APC
B = SC/PC
C = FC/PC
D = LC/PC
E = MU/PC
F = ST/PC
G= DIN/PC

Wavelength:
13 = 1310nm
15 = 1550nm
35 = 1310nm & 1550nm
83 = 850nm & 1310nm
85 = 850nm

Attenuation:	
01 = 1dB	08 = 8dB
02 = 2dB	09 = 9dB
03 = 3dB	10 = 10dB
04 = 4dB	11 = 11dB
05 = 5dB	… = …dB
06 = 6dB	… = …dB
07 = 7dB	30 = 30dB

Reflectance:
S = ≧50dB
P = ≧55dB
U = ≧56dB
D = ≧60dB
A = ≧65dB
5 = 50/125um
6 = 62.5/125 (um)

Tolerance:
A = ± 0.5 dB
B = ± 0.75 dB
C = ± 5%
D = ± 10%
E = ± 1 dB
F = ± 15 %
A & B & E & F for ≦10dB;
C & D & F for ≧10dB
A~F for SM
D & E & F for MM