77 & 79 Series
Singlemode or Multimode
Plug Style Attenuators

MaJoR Fiber Optics Singlemode and Multimode Plug Style Attenuators provide high optical performance that is critical to todays networking systems. The product will perform over a wide bandpass for existing Multimode, S and C bands and even into the future L band

Applications

- **LAN, WAN & Metro Networks**
- **Telecommunication Networks**
- **Passive Optical Networks**
- **Test & Measurement Systems**

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- Fixed Attenuation values of 1 through 25dB and 30dB
- Singlemode operates over a wide Bandpass of 1260~1600nm (Dual Window)
- Optical performance 100% factory tested
- UPC, and APC available for Singlemode
- Singlemode—Polarization insensitive, doped fiber
- Multimode utilizes offset fusion splice
- Meets Telcordia GR-CORE 326 and 910
- SC - FC - ST - LC - MU

Attenuation Values (Singlemode)	Attenuation ± 0.50dB for 1dB through 10dB Attenuation ± 0.75dB for 10dB through 15dB Attenuation ±10% for 16-30dB
Uniformity (Singlemode)	≤ 0.50dB attenuation difference from 1310nm to 1550nm
Attenuation Values (Multimode)	Attenuation ± 0.50dB for 1-5dB Attenuation ± 0.75dB for 6-10dB Attenuation ± 10% for 11-20dB
Return Loss (Singlemode)	UPC >55 db *For ST >50dB APC >65 dB
Durability	500 matings <0.2 dB x Attenuation
Temperature Cycling	-40~+80°C (42 cycles) <0.2 dB x Attenuation
Humidity Cycling	75°C, 95%/336Hr <0.2 dB x Attenuation
Vibration	10~55Hz (2Hr) <0.2 dB x Attenuation
Impact	1.5m drop, 8 cycles <0.02 dB x Attenuation

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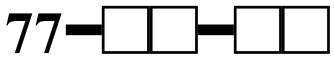
PART NUMBER ORDERING INFORMATION

Singlemode

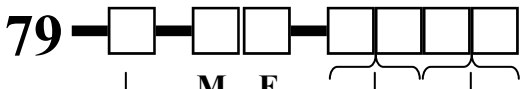


P = FC/UPC
T = SC/UPC
R = ST
L = LC/UPC
M = MU/UPC
U = FC/APC
Q = SC/APC

Example:
An FC Male to FC Female, 5dB = 77-PP-05

***Note, for ST Attenuators requiring 55dB Back Reflection, please add –55 to end of part number**

Multimode



Fiber Type
6 = 62.5/125um
5 = 50/125um

E = FC
Z = SC
G = ST
L = LC

Attn. Level(dB)

Wavelength 85 = 850nm
13 = 1300nm

Example:
An FC Male to FC Female, 5dB utilizing 62.5/125um fiber at 850nm wavelength = 79-6-EE-0585