



# 76 Series Variable Optical Attenuator Patchcords

*MaJoR Fiber Optics VOA Patchcords utilize both collimated and air-gap technologies to allow a variety when choosing the product that will perform to the requirements needed. We also offer the Mid-Range Air-Gap VOA for a more economical product where a wide attenuation range is not required.*

#### Applications

- LAN, WAN & Metro Networks
- Telecommunication Networks
- Passive Optical Networks
- Test & Measurement Systems
- CATV
- Optical Patch Panels

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- Singlemode and Multimode VOA's
- Optical performance 100% factory tested
- SPC, UPC, and APC available for Singlemode applications
- Low Insertion loss and low Back Reflection
- Meets Telcordia GR-CORE 326 and 910
- High temperature performance
- Environmentally stable
- Small package sizes

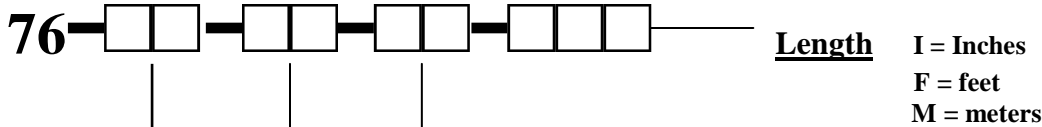
#### Specifications—Air-Gap

Operating Wavelength (nm)		1200—1600
Residual Attenuation (dB)	Maximum	1.5
Attenuation Mid-Range 1	dB	0.5 to 12
Attenuation Mid-Range 2	dB	0.5 to 20
Resolution (dB)	Maximum	0.15
Optical Return Loss (dB)	Minimum	55
Polarization Sensitivity (dB)	Maximum	0.20
Operating Temperature (°C)		0 to +60
Storage Temperature (°C)		-40 to +75
Thermal Stability (dB/°C)	Maximum	0.03
Optical Power (mW)	Maximum	300



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## PART NUMBER ORDERING INFORMATION



**Fiber Type**  
S8 = Singlemode  
M6 = Multimode 62.5/125um  
M5 = Multimode 50/125um

**VOA Type**  
M0 = Mid-Range 0.5~12dB, 3mm, Singlemode Only  
M3 = Mid-Range 0.5~12dB, 900um, Singlemode Only  
M2 = Mid-Range 0.5~12dB, 2mm, Singlemode Only  
M4 = Mid-Range 0.5~20dB, 3mm Singlemode Only  
M7 = Mid-Range 0.5~20dB, 900um, Singlemode Only  
M8 = Mid-Range 0.5~20dB, 2mm, Singlemode Only

### Connector Type

Type	Singlemode	Multimode
LC	L	M
SC	T	Z
SC/APC	Q	N/A
SC 90° Boot	C	N/A
FC	P	E
FC/APC	U	N/A
ST	R	G
SMA 906	N/A	A
SMA 905	N/A	N
No Conn.	0 (zero)	0 (zero)

**Example:**  
Singlemode Mid-Range 900um, SC, 1 meter length  
**NOTE: Length indicates total length of patchcord**  
**76-M3-S8-TT-001M**  
Contact MaJoR Fiber Optics for Custom VOA Patchcords