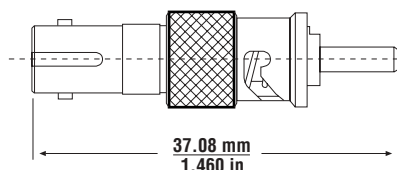
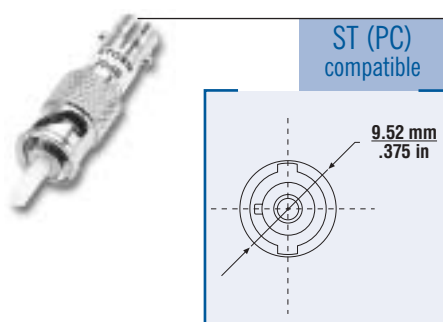
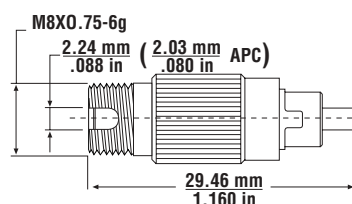
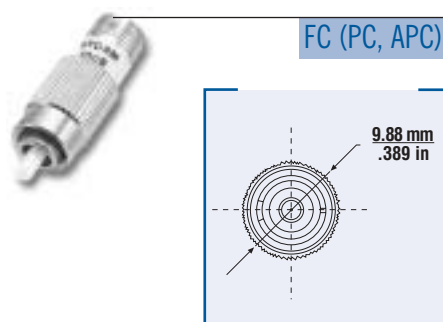
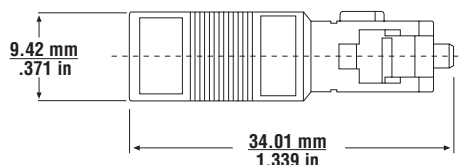
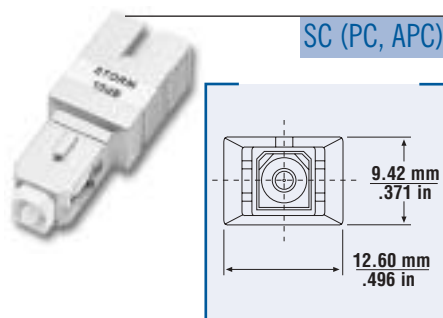
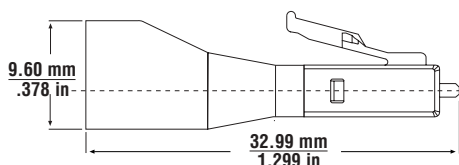
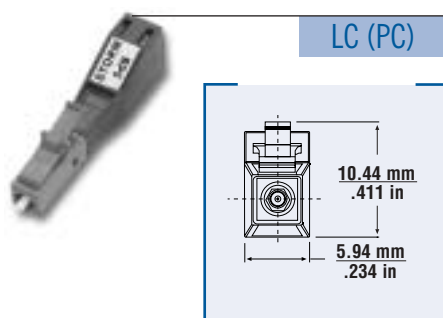


PERFORMANCE HIGHLIGHTS

- Very Low Return Loss
- Broadband Operation
- Flat Spectral Response
- Extremely Low Polarization Dependent Loss
- Ultra High Power Capability

DIMENSIONS: METRIC/ENGLISH



Storm's high-performance fixed optical attenuators (FOAs) are the perfect choice for DWDM systems, analog or digital CATV, EDFA and other highly amplified systems, and high-speed datacom.

These plug-style FOAs offer flat spectral attenuation, low polarization dependent loss ($\leq 0.1\text{dB}$) and high power-handling capability. In addition, they feature an all-fiber design that results in less back reflection than air gap or filter designs. PC polish provides a typical return loss of -55 dB and UPC polish provides a typical return loss of -57dB, while APC polish provides an extremely low -70 dB return loss (typical).

The SC, ST compatible and FC formats exhibit a compact design that allows flexible placement in the network. For dense panel or cardmount small-form-factor installations, the LC format design offers the perfect fit.



Call Toll Free
877.342.3773

ATTENUATOR: Fixed-Singlemode-Plug Style

SPECIFICATIONS

Operating Window	1250–1660 nm
Attenuation*	1 dB \pm 0.5 dB
	2 dB \pm 0.5 dB
	3 dB \pm 0.6 dB
	4 dB \pm 0.8 dB
	5 dB-10 dB \pm 1.0 dB
	11 dB-30 dB \pm 10%
Return Loss PC (minimum / typical)	-50 dB / -55 dB
Return Loss UPC (minimum / typical) [†]	-55 dB / -57 dB
Return Loss APC (minimum / typical)	-65 dB / -70 dB
Polarization Dependent Loss	\leq 0.1 dB
Operating Temperature	-40 to -75 °C
Telcordia GR-63-CORE	

* Tested at 1310 nm and 1550 nm at room temperature.

Meets environmental criteria specified in Telcordia standard GR-910-CORE.

Storage Temperature	-40 to 75 °C
Telcordia GR-910-CORE	
High Power Attenuation Stability	\leq 3% Δ @200mW

ENDFACE GEOMETRY FOR PC POLISH

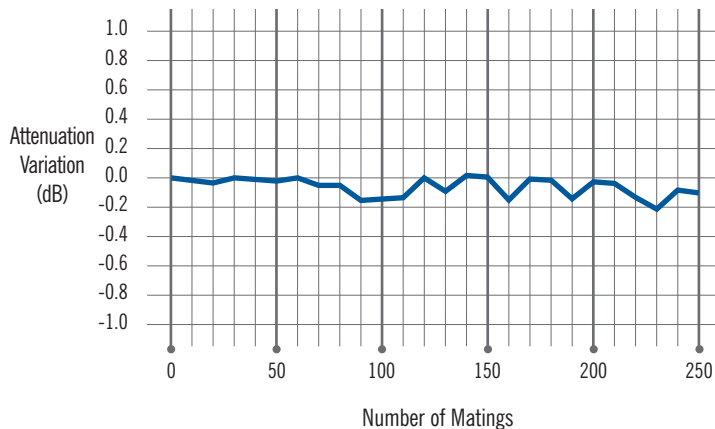
	TOLERANCE
Fiber Height (nm)	+50 /- IEC Variable Formula
Radius of Curvature (mm)	7 to 25
Apex Offset (μ m)	<50

ENDFACE GEOMETRY FOR APC POLISH

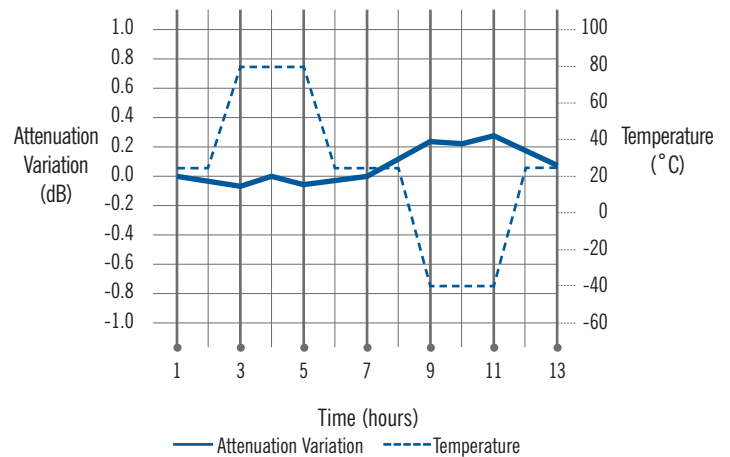
	TOLERANCE
Fiber Height (nm)	+50 /- IEC Variable Formula
Radius of Curvature (mm)	5 to 12
Apex Offset (μ m)	<50
Angular Offset (degrees)	7.5 to 8.5

Ferrule and sleeve material are zirconia ceramic. Designed to meet Telcordia requirements.

REPEATABILITY (mate / unmate)

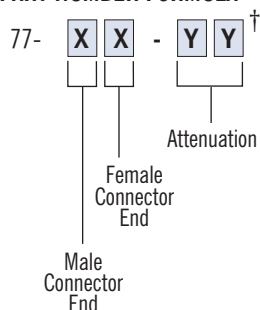


THERMAL STABILITY



ORDERING INFORMATION

PART NUMBER FORMULA



XX=CONNECTOR CODES

TYPE	CODE
LC*	L
SC	T
SC (APC)*	Q
FC	P
FC (APC)*	U
ST	R

* Male end and female end must be same connector style; PC and APC combinations using same connector style are compatible (for example: 77-TQ-05, 77-UP-10).

YY=ATTENUATION

available in 01-20, 25, 30 dB levels

EXAMPLE:

77-PP-10-55, FC (UPC), Plug Style Attenuator, 10 dB, 55 dB RL

77-PT-10, FC (PC) to SC (PC), Plug Style Attenuator, 10 dB, 50 dB RL

[†] Add -55 to the end of the part number to specify -55 dB minimum RL.