



Fiber Instrument Sales, Inc. (FIS) introduces ST, FC and SC style bulkhead attenuators designed to provide 5, 10, 15 or 20dB attenuation in your fiber optic system. Bulkhead attenuators are compatible with standard industry connectors and are ideal for 1310 or 1550 singlemode applications. FIS Bulkhead Attenuators are available in stock for immediate delivery at a low price.

## FEATURES

- Utilizes filter technology
- Vibration and temperature resistant
- Individually labeled
- Four attenuation levels available

## WAVELENGTHS

1310 nm:			1550 nm:		
ST	SC	FC	ST	SC	FC
F1-8121S - 5dB	F1-8321S - 5dB	F1-8221S - 5dB	F1-8125S - 5dB	F1-8325S - 5dB	F1-8225S - 5dB
F1-8122S - 10dB	F1-8322S - 10dB	F1-8222S - 10dB	F1-8126S - 10dB	F1-8326S - 10dB	F1-8226S - 10dB
F1-8123S - 15dB	F1-8323S - 15dB	F1-8223S - 15dB	F1-8127S - 15dB	F1-8327S - 15dB	F1-8227S - 15dB
F1-8124S - 20dB	F1-8324S - 20dB	F1-8224S - 20dB	F1-8128S - 20dB	F1-8328S - 20dB	F1-8228S - 20dB

## SPECIFICATIONS

<b>Styles Available</b>	ST, FC and SC
<b>Wavelength</b>	1310nm or 1550nm
<b>Environmental</b>	
<b>Operating Temperature</b>	-40 to +75oC
<b>Thermal Stability</b>	+/- .5dB 5dB +/- 1.0 10dB +/- 1.0 15dB +/- 1.5 20dB +/- 1.5
<b>Attenuation Levels</b>	
<b>Repeatability</b>	+/- .6dB
<b>Return Loss</b>	PC connectors < -24dB UPC connectors < -45dB

\*UPC Return Loss is a factor of connector performance.