

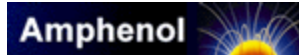
Features and Benefits

- Low back reflection
- Adjustments beyond upper and lower limits reset the unit and do no damage
- Environmentally stable - no thin films to degrade over time
- Once mounted only one hand adjustments are required
- Proven angle PC connector-based design eliminates bulk optic components
- Rugged packaging

Applications

- CATV headend
- Test and measurement
- Telephony, long distance and local loop networks

942 Series Single Mode Linear Variable Attenuators

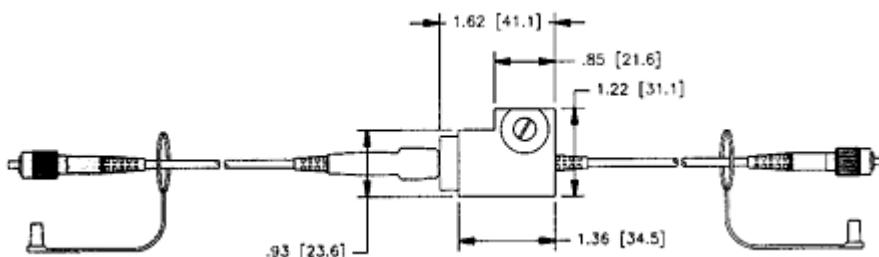


The **Amphenol 942 series single mode linear variable attenuator** is a passive in-line component which precisely reduces the intensity of optical signals with minimum back reflection.

The 942 series attenuator may be terminated with Super, Ultra and Angle FC, SC and ST connectors for increased system flexibility.

SPECIFICATIONS

Attenuation Range	2 to 30 dB (or 1 to 30 dB, if specified)
Resolution	< 0.25 dB
Return Loss	> 40 dB
Cable Type	3 mm PVC type OFNR cable with Corning SMF28 single mode fiber
Operations Wavelength	1285 - 1330 nm and 1525 - 1620 nm
Operating Temperature	-20°C to +65°C
Lead Length	1.0 m standard for both sides
Available Options	Custom response function. Mounting features on exterior for structures



ORDERING INFORMATION

Part Number	Description
942-12801-12801	Variable attenuator, SC terminations, 1m leads 2-30 dB
942-12901-12901	Variable attenuator, FC terminations, 1m leads 2-30 dB
942-99999-10583	Variable attenuator, SC terminations, 1m leads 1-30 dB
942-99999-10584	Variable attenuator, FC terminations, 1m leads 1-30 dB