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RECEPTACLE AND HYBRID STYLE VARIABLE ATTENUATORS

FEATURES:

- · Compact, rugged housing
- High resolution
- Wide wavelength range
- · Wide variety of connectors available
- · Polarization insensitive
- Multimode, singlemode and polarization maintaining fiber versions
- LOW COST!

APPLICATIONS:

- · CATV, LAN, and Telecommunications use
- Receiver padding
- Test and measurement
- Optical power equalization

PRODUCT DESCRIPTION:

Variable and hybrid attenuators consist of two baseplates with lenses. The two baseplates are aligned for optimum coupling efficiency using a patented alignment technique. A threaded radial screw is used to block the collimated beam between the two lenses. Rotating the screw changes its position within the collimated beam, thus varying the power level coupled into the receiver fiber. Because the attenuator works by directly blocking the beam, it is polarization insensitive.

Hybrid style male-to-female attenuators are used in applications where the attenuator size and fiber lengths are an issue. A new version of the receptacle and hybrid style attenuators now exist, offering 35dB backreflection for single mode applications at 1300nm and 1550nm.

Male to Female

Female to Female

SPECIFICATIONS:

Insertion Loss: 4dB for singlemode attenuators,

2dB for multimode attenuators

Backreflection: 15dB for receptacle style attenuators

(BB-200 style),

35dB for 1300/1550nm singlemode hybrid style attenuators (BB-100 and

BB-300 style)

Attenuation Range: 2 to 80 dB with 0.01dB

resolution up to 10dB,

0.1dB resolution up to 30 dB

Available Wavelengths: 400-1625nm

Polarization Sensitivity: Less than 0.01dB change over all

input polarization states

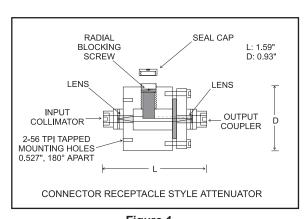
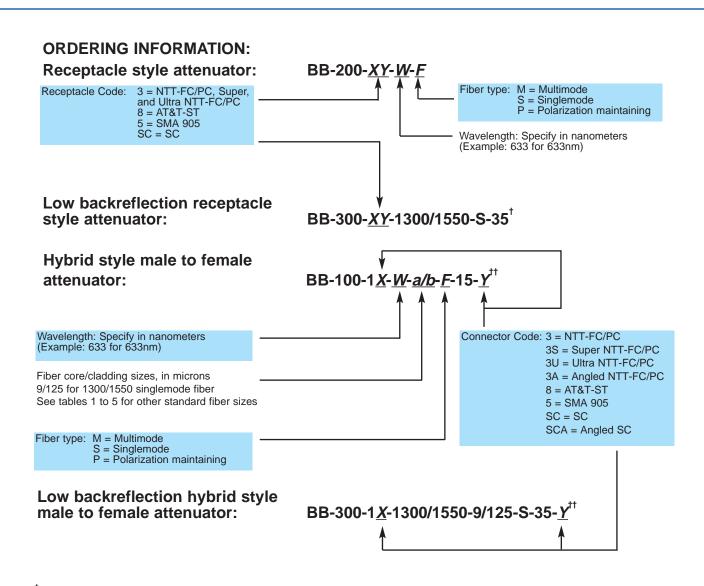


Figure 1



Low backreflection attenuators are only available for Super NTT-FC/PC, SC and AT&T-ST connectors.

Angled NTT-FC/PC and angled SC female receptacles are unavailable for hybrid attenuators. Only angled NTT-FC/PC and angled SC male connectors are available.