Features

- Proven, reliable, and compact design
- Low back-reflections/high return loss ensures source stability and measurement repeatability
- Less than 2dB insertion loss
- Large dial indicator
- Fixed high performance FC-APC 8° anglepolished interface
- Cam-driven, all-mechanical construction no batteries required
- Easy to use—turn the thumbwheel to adjust the attenuation



Key Specifications

tion loss < 2dB (1.25dB typical)

lution < 0.1dB

eturn toss > 55dB

Attenuation range 0 to 35dB

Max. input power +23dBm

Fiber compatibility Single-mode SMF-28

Connector interface Fixed FC-APC,

8° angle-polished

endface

Applications

Receiver Sensitivity Testing

The 338A variable single-mode attenuator allows for quick optical power adjustments when performing fiber optic tests and measurements. By serving as a "fiber optic potentiometer," the 338A makes receiver ensitivity testing simple and convenient. The 338A can also be used to simulate long lengths of single-mode fiber when developing transmission links.

Bit Error Rate (BER) Testing

The 338A is an essential tool for performing bit error rate (BER) tests and system margin analysis. The low back-reflections induced by the instrument ensure that the transmitter output is not adversely affected during testing.

The 338A is fitted with fixed high performance FC-APC 8° angle-polished interfaces. The FC-APC interfaces assure optimum return loss performance, maximum accuracy, and excellent repeatability when conducting critical measurements on fiber optic systems.

Ordering Information

The 338A is fitted with fixed FC-APC 8° angle-polished interfaces. This instrument should not be used with standard FC-PC connectors or cables.

Part No. **Description**

338A 338A variable attenuator

Accessories

900B Ruggedized carrying case. Holds

three handheld instruments

and accessories.

901B Ruggedized carrying case. Holds

five handheld instruments

and accessories.

911B Soft nylon field case. Holds

two handheld instruments.

Separate accessory compartment.

All-In-One connector cleaning 945

> system. Self-contained—eliminates canned air, alcohol and other

awkward consumables.

946 Adapter cleaning wands.

For all 2.5mm receptacles.

Specifications¹ Subject to change without notice

Insertion loss < 2dB (1.25dB typical)

Resolution < 0.1 dB

Return loss

Attenuation range

Polarization dependent loss

Maximum input power

Fiber compatibility

Optical interface

Environmental:

Operating temps Storage temp

Humidity

vironment of +20°C to +25°C.

Single-mode SMF-28

Fixed FC-APC, 8° angle-polished endface

-15°C to +60°C -35°C to +70°C

0 to 95% RH, non-condensing

7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)

230 g (8.1 oz.)