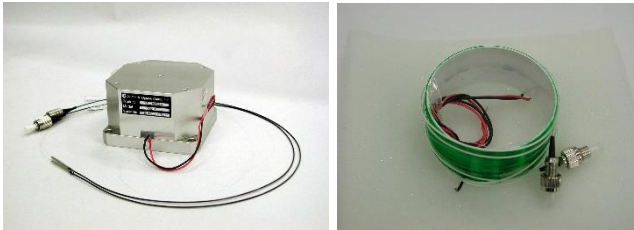


# High Speed Fiber Stretcher ZF-5001



## ■ Specifications

| Item   | Specifications   |
|--|--|
| Optical Fiber                                | 1.55 $\mu$ m<br>Single mode or Dispersion shift  |
| Resonance Frequency                          | App. 15kHz   |
| Modulation Index @1.55 $\mu$ m               | App. 50rad/V@1kHz<br>App. 1000rad/V@fresonant  |
| Delay@1.55 $\mu$ m                           | App. 12 $\mu$ m/V@1kHz<br>App. 240 $\mu$ m/V@fresonant   |
| PZT Capacitance                              | 240nF (Typ.)   |
| PZT maximum voltage (DC level)               | 0V ~ +400V   |
| Connector<br>Optical In/Out<br>Modulation In | FC/UPC<br>BNC (ZF-5001)  |
| Dimension                                    | 170W x 120D x 70H mm (ZF-5001)<br>76W x 76D x 47H mm (ZF-5001-B)<br>28H x $\phi$ 60 mm (ZF-5001-C) |
| Weight                                       | App. 1.2 kg (ZF-5001)<br>App. 600g (ZF-5001-B)<br>App. 150g (ZF-5001-C)                            |



Mounting kit/ZF-5001-B

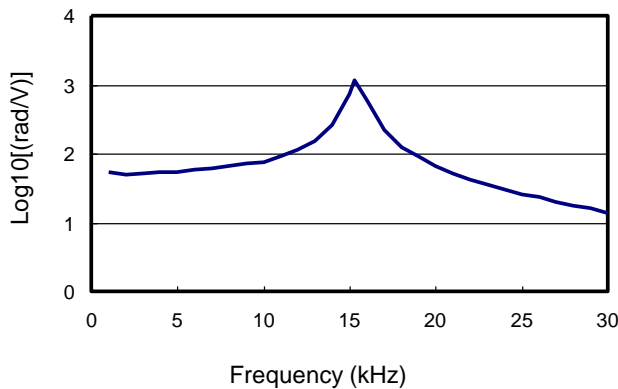
Mounting kit (bare lead)/  
ZF-5001-C

High speed fiber stretcher/ZF-5001 is a fiber delayline using piezo-electric effect which realizes high modulation index and high quality factor. This device is independent of fiber specifications and suitable for various fiber sensing applications.

Mounting kit is also available.

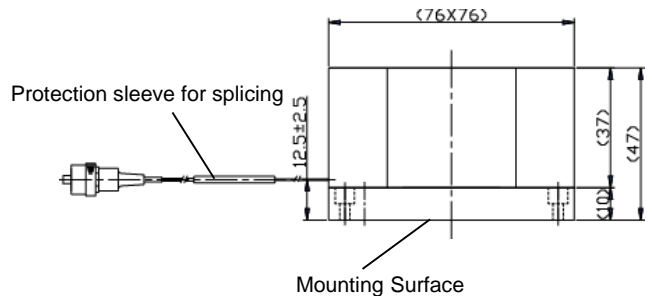
## ■ Frequency Characteristics (example)

Modulation Index : App. 1000rad/V@fresonant



## ■ Dimension / ZF-5001-B

(unit:mm)



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