

Make Your Motion and Control More Accurate!

θx, θy, Zaxes ZT35H80K Piezo Phase Shifter

Characteristics >>

- 0.7µm Travel @150V voltage
- The upper limit of the drive voltage is 800V
- Max. phase shift displacement to 3.73µm
- Manual adjustment of θx θy deflection
- Manual adjustment angle $0 \sim \pm 4^{\circ}$ /axis
- Standard loadable lens diameter is 35mm, can be customized

Applications >>

- Interferometry
- Fast nano-stepping
- Optical path adjustment
- Laser scanning and deflection
- Laser stability
- Phase shifter
- metering



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Introduction

ZT35H80K features manual deflection and piezo-drive linear motion. The linear displacement is controlled by DC voltage signal and has displacement of about 0.7 μ m@150V, which can be used for fast step phase shifting applications. At the same time, the manual angle of θ x, θ y deflection can be adjusted manually with deflection range up to ±4°.



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Technical Data >>

| Туре | | ZT35H80K | Units |
|------------------------------------|----------------|---|---------|
| Active axes | Piezo drive | Х | |
| | Manual | Өх Өу | |
| Travel (piezo) | | 0.7@150V | µm±20% |
| | | 3.73@800V | |
| Manual θx θy tilt angle | | ±4 | ° /axis |
| Unloaded resonant frequency | | 47.8 | kHz±20% |
| El.capacitance | | 48 | nF±20% |
| Standard loadable lens diameter | | Φ35 or Φ25.4 (or 1 inch custom is available) | mm |
| Max.driving voltage | | 0~800 | V |
| Mass | | 175 | g±5% |

Curves >>



Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

Drawing >>



Recommended Controller >>>



E01.D1 LCD, film keyboard, 625mA RS-232/RS-422/USB communication With software

E53 Small size, 60mA RS-232/RS-422/USB communication With software

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