

Product-Specifications

| Product | LPC-D90100-001, Piezo Z Stage, 100 µm | | |
|------------------------------|---------------------------------------|------|-----------|
| | | Unit | Tolerance |
| Position-Sensor | Capacitive | | |
| Range, closed loop | 100 | µm | +/-1% |
| Resolution, closed loop | 0.8 | nm | RMS, typ. |
| Linearity, closed loop | 0.02 | % | typ. |
| Repeatability, Z | 5 | nm | ±, typ. |
| Resonance, Z, unloaded | 500 | Hz | min. |
| Push/Pull, Z, centered | 100/50 | N | max. |
| Stiffness | 3 | N/µm | min. |
| El. Capacitance @ 1Veff 1kHz | tbd | µF | ±10% |
| Dimensions (LxWxH) | 150x150x30 | mm | |
| Aperture, Dimensions (LxW) | 66x66 | mm | |
| Body/Platform-Material | Aluminum, black | | |
| Operating Temperature | -20..+80 | °C | |
| Connector | DSub15 | | |
| Cable length | 1.5 | m | |

Options:

- Vacuum compatibility, and/or non-magnetic
- Suitable controller, closed-loop, EBC-120310

