
Device Parameters Summary

Device ID : S6980

Actuator Type: A1M16.5

Actuator Mode : Gimbal-less Dual-Axis Quasistatic

Mirror Type and Size : Integrated mirror of 1.6mm diameter

Mirror Coating : Aluminum

Maximum Mech. Angle - X Axis [degrees] : 6.1428

Maximum Mech. Angle - Y Axis [degrees] : 6.1384

Maximum Vdifference - X Axis [V] : 152

Maximum Vdifference - Y Axis [V] : 151

Driver Bias Voltage (Vbias) [V] : 80

Maximum Mech. Angle - Coupled Axes [degrees] : 7.8710

Resonant Frequency - X Axis [Hz] : 1506

Resonant Frequency - Y Axis [Hz] : 1501

Quality Factor - X Axis : 57

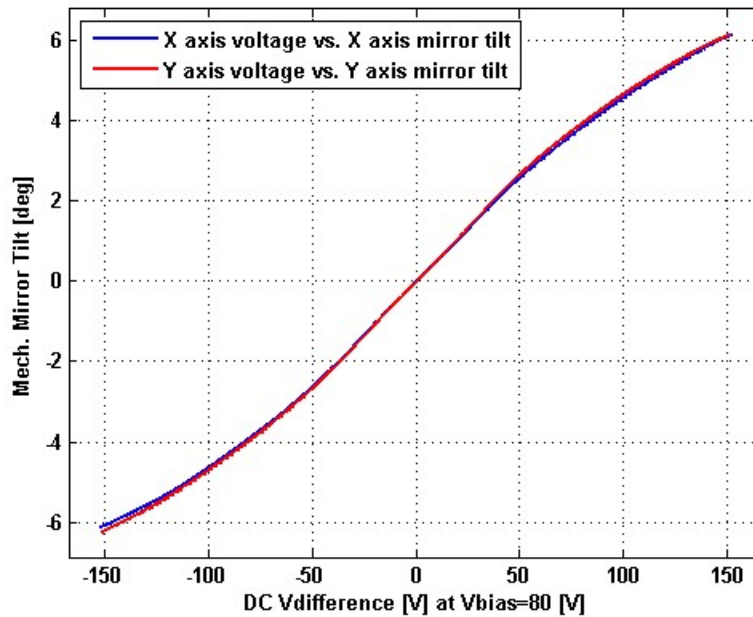
Quality Factor - Y Axis : 61

Recommended LPF Cutoff Frequency (6th Order Bessel) [Hz] : 650

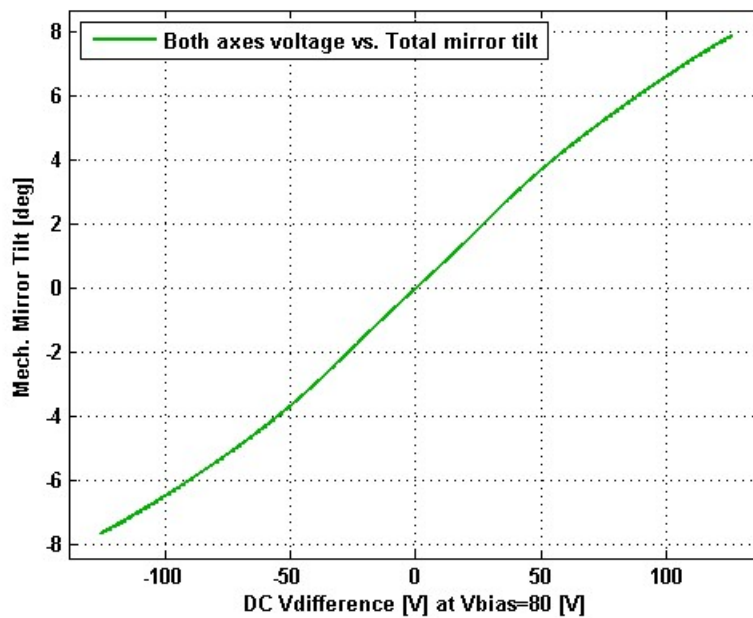
Date and Time Report was Created: 16-Jun-2017 at 14:1:34

Static Response

Voltage vs. Mech. Angle - Individual Axes

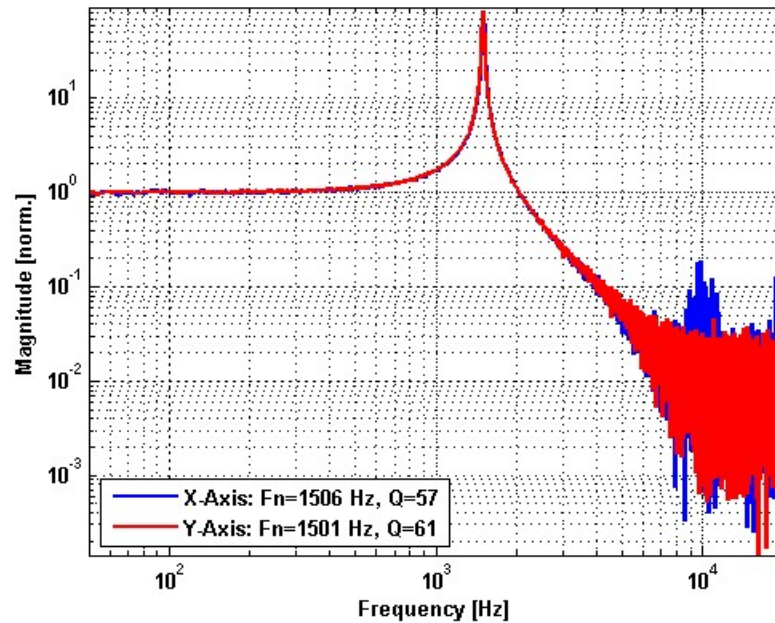


Voltage vs. Mech. Angle - Coupled Axes

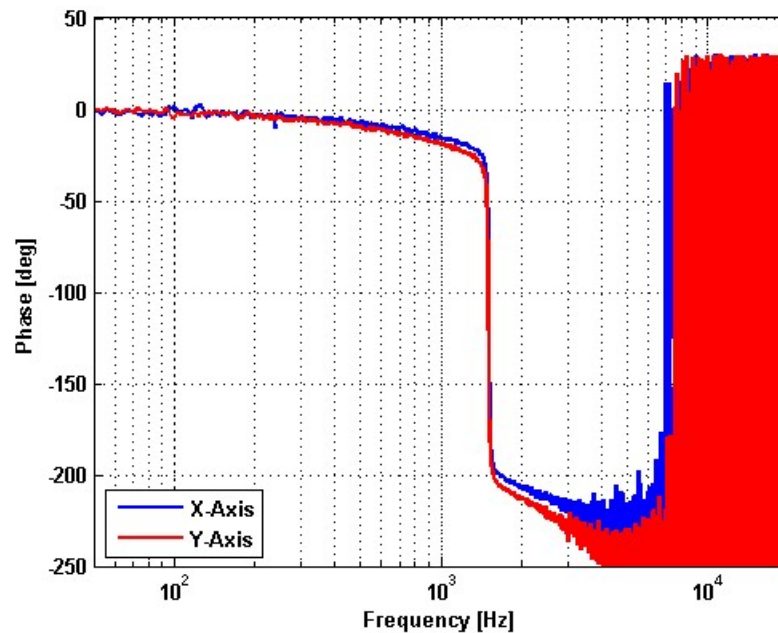


Frequency Response

Small Signal Frequency Response - Magnitude

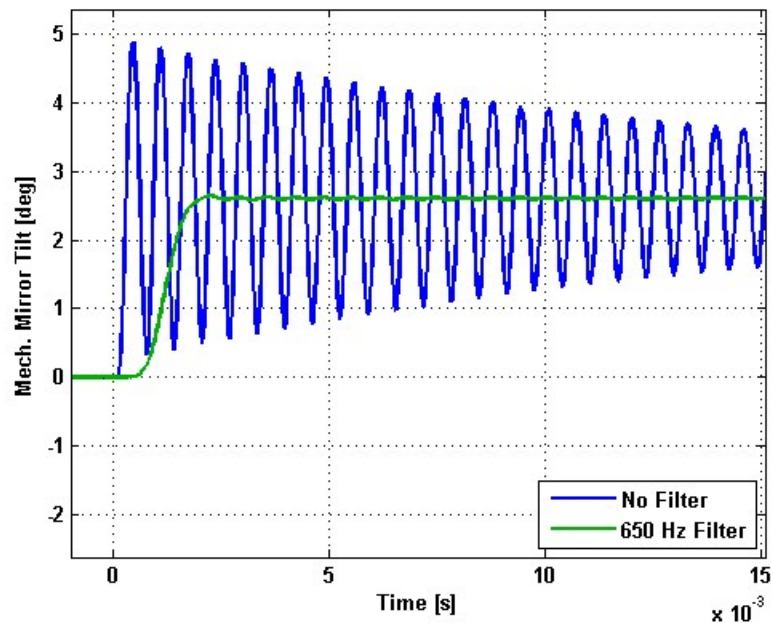


Small Signal Frequency Response - Phase

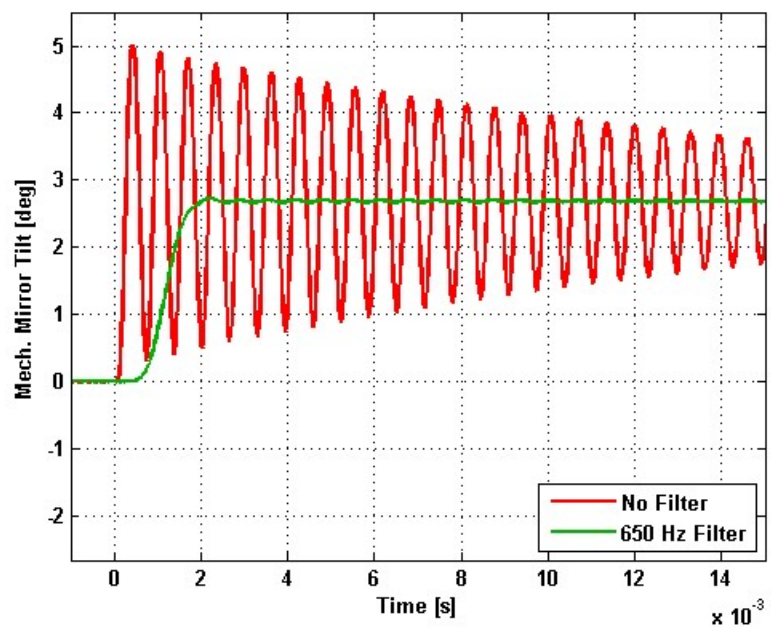


Step Response

X-Axis Step Response

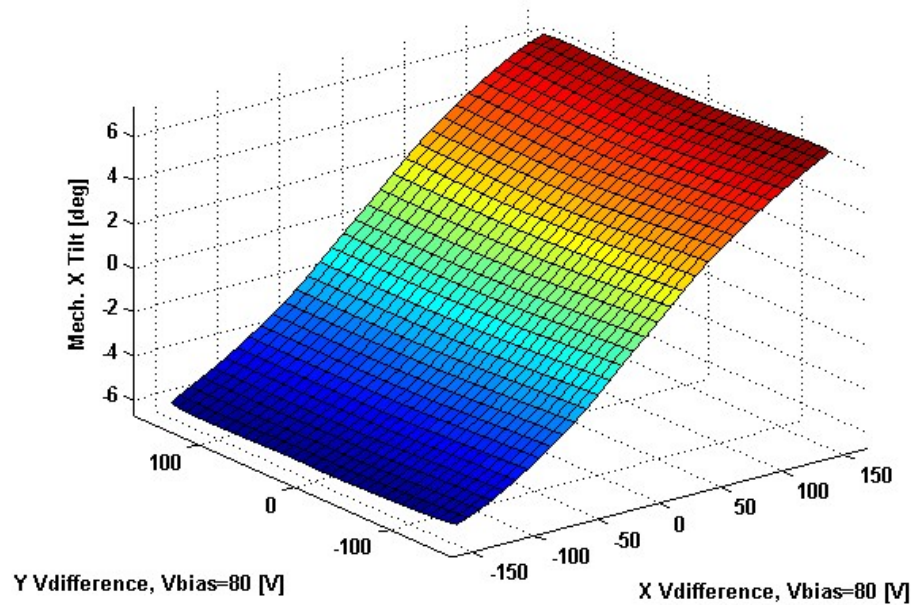


Y-Axis Step Response

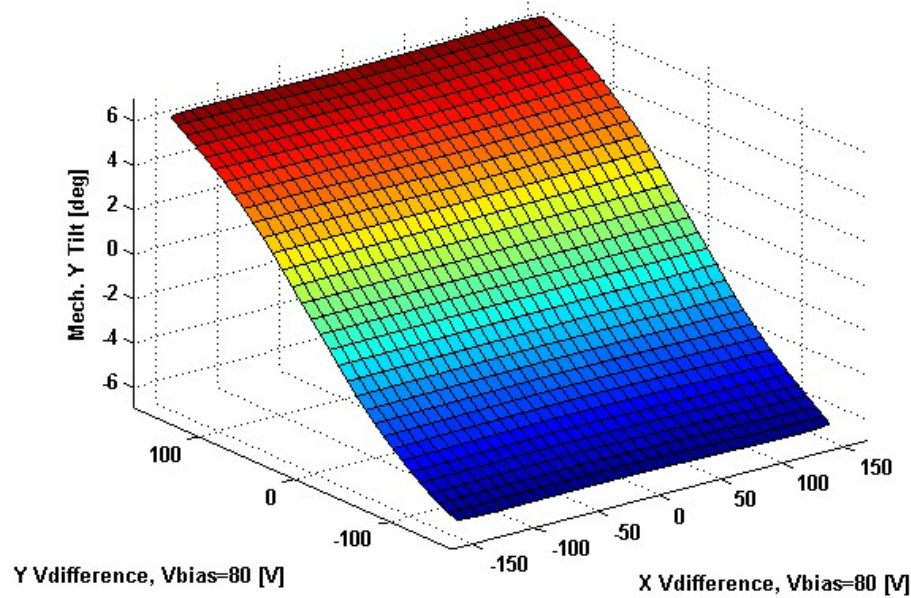


2D Lookup Tables

Voltage vs. X Mech. Angle - Lookup Table



Voltage vs. Y Mech. Angle - Lookup Table



Y vs. X Tilt - Addressable Mech. Angles

