

**Calibration Certificate** *SLA***Accelerometer System**TYPE ~~8002K~~

Accelerometer Model 8076K

SN C106761

Amplifier/Coupler Model 5020

SN C34162

Range  $\pm$  250 g\*Sensitivity at 100 Hz, 10 g\*rms 10.00 mV/g\*  
at Hz, g\*rms

Mounted Resonant Frequency 37.3 kHz

*159.15*

Transverse Sensitivity 2.0 %

*.010498*Mounting Torque  $24 \pm 2$  lbf-in ( $2.7 \pm 0.2$  Nm)

All measurements at ambient conditions of 21°C (70°F) and 50% R.H.

\*g = 9.807 m/s<sup>2</sup>✓ Frequency Response *159.15*

Frequency (Hz)	20	50	100	200	500	1k	2k	5k	8k	10k
Deviation (%)	-0.9	-0.1	+0.0	-0.1	-0.4	-0.1	+0.1	+0.4	-0.3	-0.7

This accelerometer was calibrated using a back-to-back comparison technique against a Kistler Working Standard. Kistler Working Standards are periodically calibrated against a Kistler Reference Standard System

which in turn is periodically recertified by the National Institute of Standards and Technology. The calibration of all Kistler acceptance test instrumentation is in conformance with MIL-STD-45662A.

## NIST Traceability

## Working Standard

## Reference Standard

Accelerometer

Model 8002K

SN C28623

Model 808K1

SN 1263

Charge Amplifier

Model 5020

SN C31242

Model 561T

SN 251

NIST Test Report Number 822/250337

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