REF TEK SYSTEMS INC.

**DATE: 2024-05-30**

# REF TEK 147A-01/3/INT/SM2 Accelerometer

**S/N: R3821** **P/N: R-180-S002**

**DAS: 3406F**

## NORMALIZED MAGNITUDE - FREQUENCY CHARACTERISTICS

| Freq. (Hz) | Z-Axis (Vertical) | Y-Axis (North/South) | X-Axis (East/West) |
|---|---|---|---|
| 1.00 | 1.0004 | 1.0005 | 1.0004 |
| 10.00 | 1.0000 | 1.0000 | 1.0000 |
| 20.00 | 0.9987 | 0.9984 | 0.9986 |
| 30.00 | 0.9969 | 0.9961 | 0.9967 |
| 40.00 | 0.9954 | 0.9943 | 0.9952 |
| 50.00 | 0.9943 | 0.9931 | 0.9941 |
| 60.00 | 0.9935 | 0.9923 | 0.9933 |
| 70.00 | 0.9937 | 0.9925 | 0.9934 |
| 80.00 | 0.9946 | 0.9935 | 0.9940 |
| 90.00 | 0.9968 | 0.9957 | 0.9955 |
| 100.00 | 1.0008 | 0.9997 | 0.9986 |
| 120.00 | 1.0161 | 1.0147 | 0.0110 |
| 140.00 | 1.0415 | 1.0403 | 1.0323 |
| 160.00 | 1.0714 | 1.0712 | 1.0584 |

## SENSITIVITIES

| | Z-Axis (Vertical) | Y-Axis (North/South) | X-Axis (East/West) |
|---|---|---|---|
| **Output Sensitivity (V/g)** | 1.250 | 1.250 | 1.250 |
| **Cross-axis Coupling (g/g)** | 0.24% | 0.24% | 0.12% |

* g = 9.80 $m/s^2$

**Rev K (2024-01)**