

**DATE: 2025-12-01**

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

**S/N: R3946**

**P/N: R-97499-CM**

**DAS: 34150**

### NORMALIZED MAGNITUDE - FREQUENCY CHARACTERISTICS

| Freq. (Hz) | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|------------|----------------------|-------------------------|-----------------------|
| 1.00       | 1.0002               | 1.0003                  | 1.0003                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9994               | 0.9992                  | 0.9991                |
| 30.00      | 0.9986               | 0.9981                  | 0.9978                |
| 40.00      | 0.9977               | 0.9968                  | 0.9964                |
| 50.00      | 0.9970               | 0.9957                  | 0.9953                |
| 60.00      | 0.9967               | 0.9950                  | 0.9947                |
| 70.00      | 0.9972               | 0.9952                  | 0.9952                |
| 80.00      | 0.9990               | 0.9968                  | 0.9971                |
| 90.00      | 1.0021               | 0.9998                  | 1.0008                |
| 100.00     | 1.0031               | 1.0049                  | 1.0066                |
| 120.00     | 1.0242               | 1.0229                  | 1.0260                |
| 140.00     | 1.0527               | 1.0535                  | 1.0563                |
| 160.00     | 1.0841               | 1.0884                  | 1.0865                |

### SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 1.250                | 1.250                   | 1.250                 |
| Cross-axis Coupling (g/g) | 0.12%                | 0.16%                   | 0.12%                 |

\* g = 9.80 m/s<sup>2</sup>

Rev K (2024-01)