



## Electrodynamic Velocity Sensor

URL: [https://www.sxplc.com/index.php?route=product/product&product\\_id=3515](https://www.sxplc.com/index.php?route=product/product&product_id=3515)

### Product data sheet

Dynamic Performance (PR9268/20x-x00 & PR9268/30x-x00)

|  |  |
|--|--|
| Sensitivity                            | 28.5 mV/mm/s (723.9 mV/in/s)   |
| Frequency Range                        | 4 to 1000Hz  |
| Natural Frequency                      | 4.5Hz $\pm$ 0.75Hz @ 20°C (68°F)   |
| Transverse Sensitivity                 | 0.13 (PR9268/20x-x00) @ 110Hz 0.27 (PR9268/30x-x00) @ 110Hz  |
| Vibration Amplitude (Mechanical Limit) | 3000 $\mu$ m (4000 $\mu$ m) peak-peak  |
| Amplitude Linearity                    | < 2%   |
| Maximum Acceleration                   | 10g (98.1 m/s <sup>2</sup> ) peak-peak continuous 20g (196.2 m/s <sup>2</sup> ) peak-peak intermittent |

|                                 |  |                              |
|---------------------------------|--|------------------------------|
| Maximum Transverse Acceleration |  | 2g (19.62 m/s <sup>2</sup> ) |
|                                 |  |                              |
| Damping Factor                  | ~0.56 @ 20°C (68°F)<br>~0.42 @ 100°C (212°F) |                              |
| Resistance                      | 1875Ω ± 10%                                  |                              |
| Inductance                      | ≤ 90 mH                                      |                              |
| Active Capacity                 | < 1.2 nF                                     |                              |
|                                 |  |                              |

