senSERS

AMPLIFY THE INVISIBLE – RELIABLE SERS DETECTION

With more than 25 years of expertise in glass and nanoparticle technology, our **senSERS** substrates combine a robust glass platform with a silver nanoparticle surface.
The result: maximum signal enhancement, reproducible results, and reliable performance for Raman spectroscopy.

Benefit from strong signal enhancement that enables the detection of even ultra-low concentrations. Proven technology ensures reliable and reproducible outcomes, while easy integration makes our substrates fully compatible with standard Raman systems.
And with **Made in Germany**, you can rely on stable supply chains and trusted quality.

KEY APPLICATIONS

Environmental Monitoring
• Trace detection of pesticides, hormones, and pollutants in water and soil

Pharmaceutical & Biomedical Research
• Cell analysis, cancer research, and drug discovery

Food Safety & Quality
• Fast detection of contaminants and residues in complex samples

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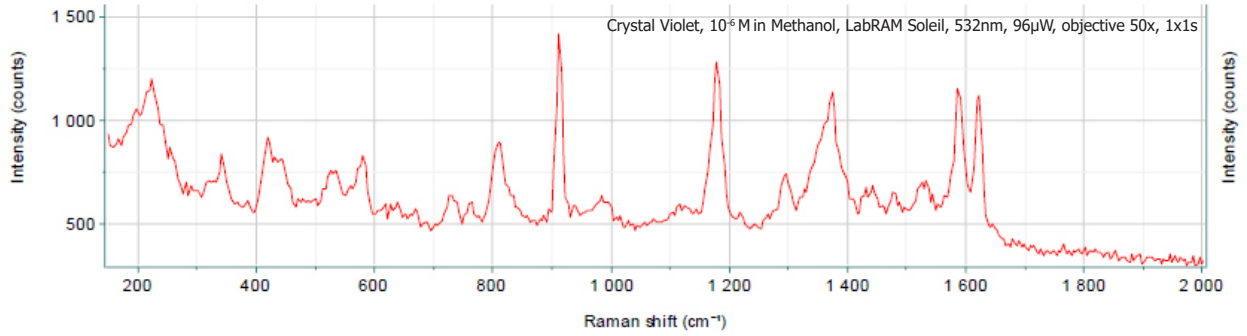
Dimensions	4 mm x 4 mm x 1.2 mm (customizable upon request)
Active area	4 mm x 4 mm (both sides)
Standard pack sizes (total pieces)	4/25/49
Active material	Silver nanoparticles
Substrate material	Glass (Schott B270®)
Laser wavelength	488 – 785 nm recommended
Sampling methods	Drop deposition, immersion
Shelf life	~6 months after removal from vacuum



HANDLING RECOMMENDATIONS

Storage
Keep the substrates in a dry environment to maintain quality.

Handling
Use tweezers to prevent contamination of the surface.

Measurement
Both sides of the substrate are suitable for measurements.

Cleaning
If needed, clean using an ultrasonic cleaning bath with methanol for best results.

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