

High Frequency Transducers

High Frequency Large Immersion Case Style

High Frequency Large Immersion Case Style Transducers integrate an optical grade fused silica delay line of approximately 20 microseconds optically ground lenses for precision focusing. Custom buffer rods are also available in sapphire and single crystal silicon. In addition, custom ground lenses are available in aspheric and cylindrical configurations.



| PART NUMBER | FREQUENCY (MHz) | SIZE INCHES (mm) | DELAY (μS) | FOCAL LENGTH INCHES (mm) |
|-------------|-----------------|------------------|------------|--------------------------|
| VF 601 | 50.0 | 0.125 (3.175) | 20 | 0.5 (12.7) |
| VF 602 | 50.0 | 0.25 (6.35) | 20 | 0.5 (12.7) |
| VF 603 | 50.0 | 0.25 (6.35) | 20 | 0.75 (19.05) |
| VF 604 | 50.0 | 0.25 (6.35) | 20 | 1.0 (25.4) |
| VF 605 | 50.0 | 0.25 (6.35) | 10 | 0.2 (5.08) |
| VF 606 | 75.0 | 0.25 (6.35) | 20 | 0.5 (12.7) |
| VF 607 | 75.0 | 0.25 (6.35) | 20 | 0.75 (19.05) |
| VF 608 | 90.0 | 0.25 (6.35) | 20 | 0.5 (12.7) |
| VF 609 | 100.0 | 0.25 (6.35) | 20 | 0.5 (12.7) |
| VF 610 | 100.0 | 0.25 (6.35) | 20 | 1.0 (25.4) |
| VF 611 | 100.0 | 0.25 (6.35) | 10 | 0.2 (5.08) |
| VF 612 | 125.0 | 0.125 (3.175) | 20 | 0.5 (12.7) |
| VF 613 | 125.0 | 0.125 (3.175) | 20 | 0.75 (19.05) |
| VF 614 | 150.0 | 0.125 (3.175) | 20 | 0.5 (12.7) |

High Frequency Permanent Delay Line Contact

High Frequency Permanent Delay Line Contact Transducers are designed for extremely thin material thickness gauging and near surface flaw detection. All transducers are broadband, high resolution series with internal fused silica buffers and right-angle microdot connectors.



| PART NUMBER | FREQUENCY (MHz) | SIZE INCHES (mm) | DELAY (μS) | STYLE |
|-------------|-----------------|------------------|------------|-------|
| VF 202-FL | 20.0 | 0.25 (6.35) | 4.25 | FL |
| VF 202-SL | 20.0 | 0.25 (6.35) | 4.25 | SL |
| VF 202-FS | 20.0 | 0.25 (6.35) | 2.5 | FS |
| VF 302-FL | 30.0 | 0.25 (6.35) | 4.25 | FL |
| VF 302-SL | 30.0 | 0.25 (6.35) | 4.25 | SL |
| VF 302-FS | 30.0 | 0.25 (6.35) | 2.5 | FS |
| VF 502-FL | 50.0 | 0.25 (6.35) | 4.25 | FL |
| VF 502-SL | 50.0 | 0.25 (6.35) | 4.25 | SL |
| VF 502-FS | 50.0 | 0.25 (6.35) | 2.5 | FS |
| VF 501-FL | 50.0 | 0.125 (3.175) | 4.25 | FL |
| VF 501-SL | 50.0 | 0.125 (3.175) | 4.25 | SL |
| VF 501-FS | 50.0 | 0.125 (3.175) | 2.5 | FS |
| VF 751-FL | 75.0 | 0.125 (3.175) | 4.25 | FL |
| VF 751-FS | 75.0 | 0.125 (3.175) | 2.5 | FS |
| VF 1001-FL | 100.0 | 0.125 (3.175) | 4.25 | FL |
| VF 1001-FS | 100.0 | 0.125 (3.175) | 2.5 | FS |
| VF 1251-FS | 125.0 | 0.125 (3.175) | 2.5 | FS |
| VF 1501-FS | 150.0 | 0.125 (3.175) | 2.5 | FS |

