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TRANSDUCER DATA SHEET

DESCRIPTION

Immersion Transducer

Model Number: TB-0503

Serial Number: 00792

TRANSDUCER SPECIFICATIONS

Nominal Frequency: 180 MHz

Element Diameter: 1.5 mm

Nominal Delay Line Length: 4.25 us

Focal length: 6.8 mm

Lens Diameter: 2.1 mm

TEST EQUIPMENT AND CONDITIONS

Pulser/Receiver: JSR Ultrasonics PureView-U

Settings: 5.0 dB Gain; 21 ohm Damping

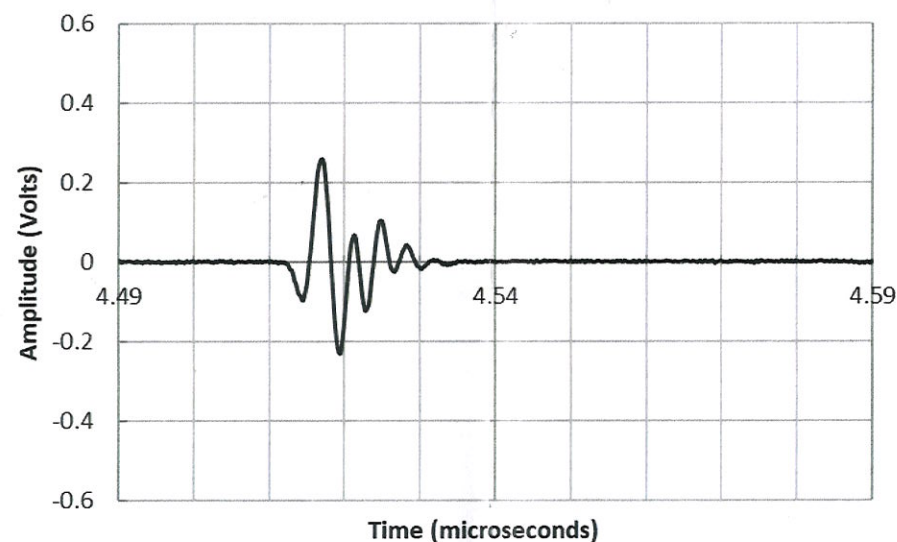
Cable: 9 in Length, 50 Ohm Impedance

Target: Stainless Steel Sphere; 0.50 in Diameter

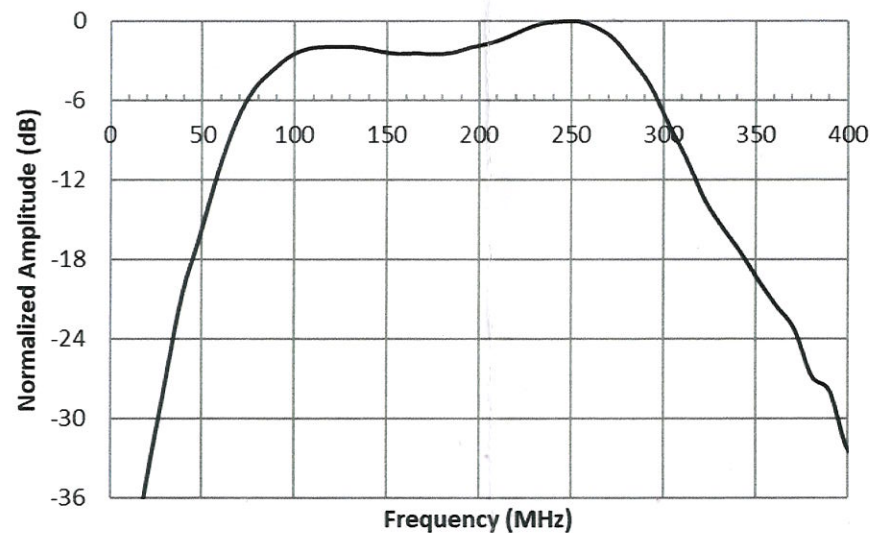
Approx. Round Trip Water Path Length: 0.14 mm

Test Date: July 29, 2024

WAVEFORM (Signal Reflected from Target)



SPECTRUM



Center Frequency: 186.0 MHz
Peak Frequency: 253.9 MHz
-6dB Bandwidth: 119.4%