NDT Supply.com, Inc.
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Lenexa, KS 66214-1560 USA

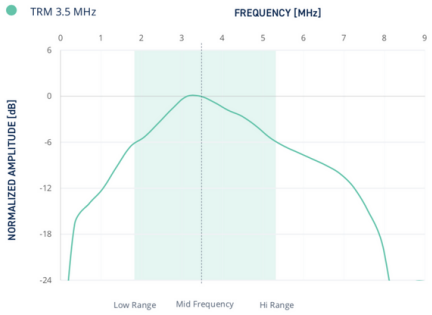
TRM 3.5 MHz

TRM-AE-3.5MHz (no delay line)
TRM-AG-3.5MHz (8mm aqualink 100
TRM-AF-3.5MHz (8 mm aqualene 320)
TRM-AH-3.5MHz (12mm aqualene 320)
TRM-AA-3.5MHz (8 mm rexolite)

DESCRIPTION

The 3.5 MHz transducer module (TRM) is an excellent choice for CFRP applications, as the frequency is low enough to travel through CFRP but still high enough to get a great resolution on your inspection. This TRM is approved and recommended to be used within both the aerospace and automotive industries for CFRP inspection. It also works well for thicker metals, and for inspection of attenuative metals such as stainless steel and Inconel. Typical component thicknesses are around 1-40mm*.

* Get in touch for specific material and penetration information as it can vary.



TECHNICAL DETAILS

Transducer Type Matrix (2D-array)

Transducer Elements 128x128 (16,384)

Transducer Aperture 32 x 32 mm

Element Pitch 250 µm

Center Frequency 3.5 MHz

-6dB Frequency Bandwidth 100%

Sample Rate 50 MHz

Acquisition Rate A-scans 100,000 – 500,000 datasets per second

Acquisition Rate 3D 10-40 3D volumes per second

SIZE AND WEIGHT

Width 40mm / 1.6 inch

Length 40mm / 1.6 inch

Height 84mm / 3.4 inch

Weight 265 grams (excluding cable and delay line)

RESOURCES

Capability Study Monolithic CFRP step block

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