

TRM 5 MHz

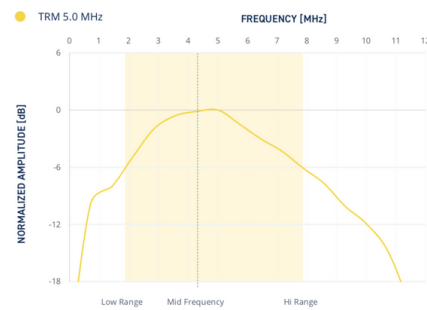


TRM-CH-5MHz (no delay line)
TRM-CJ-5MHz (8mm aqualink 100)
TRM-CI-5MHz (8 mm aqualene 320)
TRM-CK-5MHz (12 mm aqualene 320)
TRM-CC-5MHz (8mm rexolite)

DESCRIPTION

The 5 MHz Transducer module (TRM) sits at the middle of our range and is a fantastic all-rounder, well-suited to both metallic and composite applications. It provides superior resolution while maintaining good penetration through a wide variety of materials. Applications include heavy industry, aerospace and automotive. Typical component thicknesses are around 1-30mm*.

* 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 μ m

Center Frequency 5 MHz

-6dB Frequency Bandwidth 120%

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 [Impact damage in an aircraft](#)