TRM 10 MHz
TRM-DA-10MHz (8 mm reoxelite)

DESCRIPTION

The 10MHz transducer module (TRM) is our highest frequency model and provides great sensitivity for inspections of thinner components. The short wavelengths generated by this TRM provide high spatial resolution through the depth of the component. Sheet metal, adhesive bonding layers, thin metallic vessels and pipes can all be inspected. Typical component thicknesses are around 1-15mm*.

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

TECHNICAL DETAILS

Transducer Type Matrix (2D-array)
Transducer Elements 128 x 128 (16,384)
Transducer Aperture 32 x 32 mm
Element Pitch 250 μm
Center Frequency 10 MHz
-6dB Frequency Bandwidth 115%
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

Get more insight about TRM usage
News and updates from dolphitech