



Matrix Array Transducer Specifications – 8 MHz

Manufacturer: Vermon, SA

Acoustic Specs:

Number of elements :1024
Pitch :0.3mm x 0.3mm
Elevation aperture (apodized) :.....10.5 mm (including 3 inactive rows
0.3mm)

Center Frequency at – 6 dB :8.0 MHz \pm 10 % (*)
Bandwidth - 6 dB > 50 % (*)
Definition of non-working element <-20dB compared to average value (*)
Number of non-working elements Maximum 20
Location of non-working elements - No more than 3 bad elements in an
arbitrary 3x3 grid
- No more than 2 dead elements in any
row or column

Element to element sensitivity Variation : 15dB maximum (*)
Acoustic Test Procedure :as per document TBD
Notes : (*) Pre-production Test, average values for all elements
