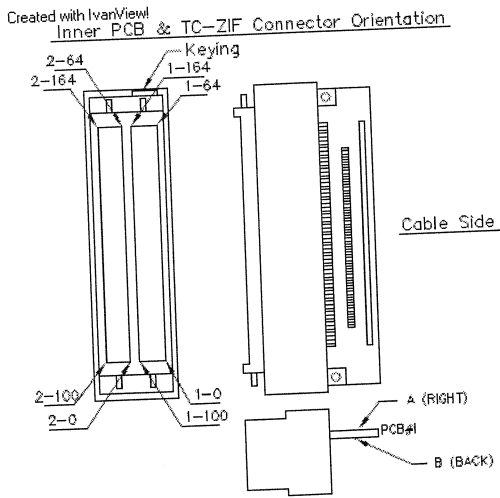


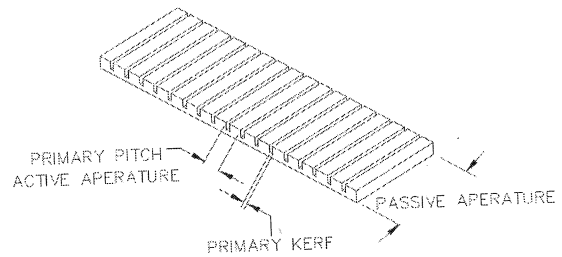
# GE Inspection Technologies Phased Array Probe Specification

Linear Phased Array		inch	mm
Part Number	115-500-046		
Number of Elements	8	0.0394	1.0000
Frequency (MHz)	1	0.0035	0.0900
Connector	Tyco		
Cable Type	021-085-351 Coax, 38 Gauge, 50 Ohm, 18 Conductors		
Cable Length	2 meters		
Total Crystal Size	8 x 9		
Nominal Ceramic Volume%	30		
Kt Min (efficiency)	0.57	0.3543	9.0000
Nominal Ceramic Thickness	.72		
Array Configuration	1D		

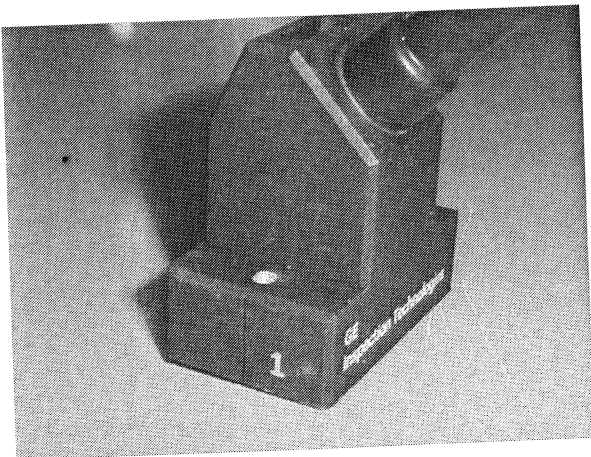
## Tyco Numbering Sequence



## 1D Element Geometry



## Element Orientation EL 1





Certification of Conformity

026CLX

115-500-046

1.0MHZ8EL1MMPX9MM,LIN 8X9MM

Date Tested	8/2/2012 2:51:45 PM
Operator	MIKE H.
Test Specification	0512279
Test Specification Rev	A
Oscilloscope Serial Number	8747-DP310-001
Oscilloscope Cal Date	10/31/12
UTA Serial Number	MM00107
UTA Cal Date	6/12/2013
Software Designation	FNT0101
Software Rev	A

GE Inspection Technologies, LP  
50 Industrial Park Rd.  
Lewistown, PA 17044  
Tel: 717.242.0327  
Fax: 717.242.2606  
GEInspectionTechnologies.com



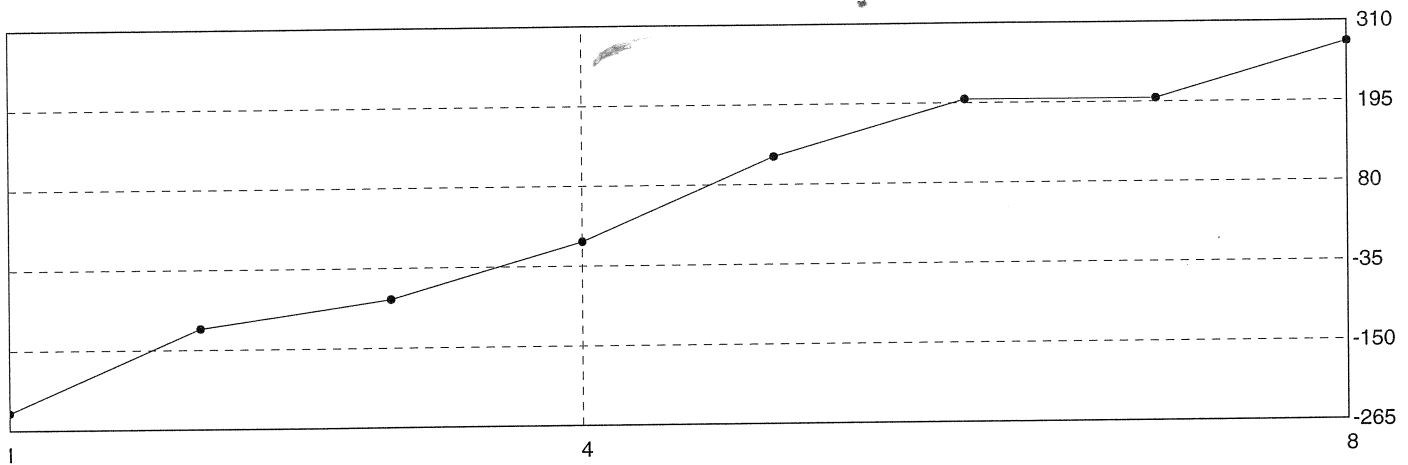
026CLX

# Certification of Conformity

115-500-046 1.0MHZ8EL1MMPX9MM,LIN 8X9MM

Thursday, August 02, 2012

## TOF Wiring Verify



Max TOF: 520

The Ultrasonic Transducer listed above has been performance tested and meets all manufacturing specifications. It performed as designed and specified on the applicable style of Krautkramer instrumentation.

The accuracy of the transducer described above has been confirmed by factory standard test equipment and laboratory reference standards traceable to the National Institute of Standards and Technology. This facility's Quality System is registered to ISO 9001-2008, and is compliant to MIL-STD-45662A and ANSI/NCSL Z540-1-1994.

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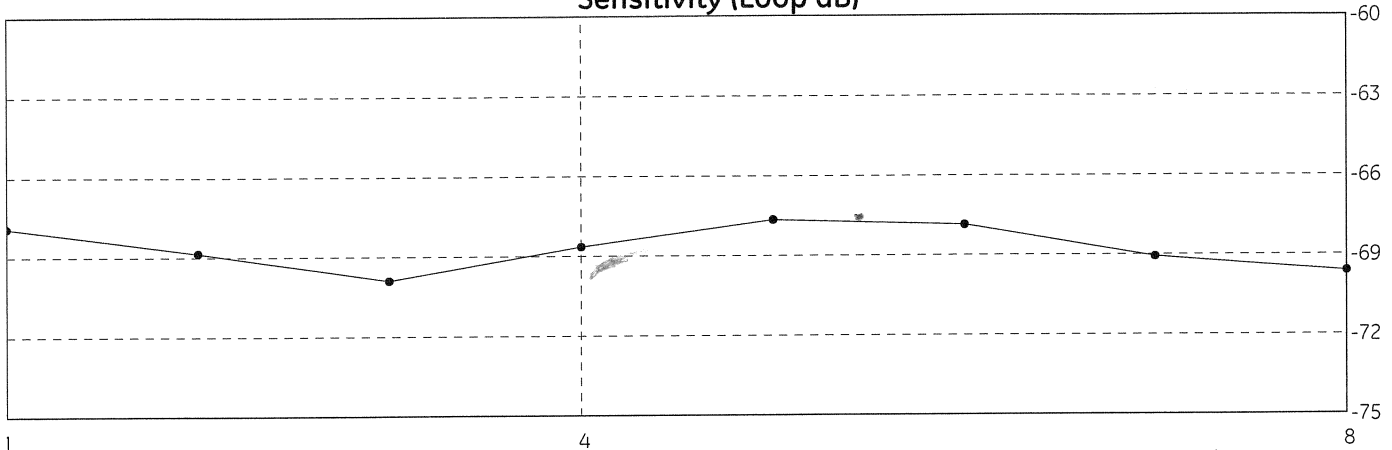
# 026CLX

# Certification of Conformity

115-500-046 1.0MHZ8EL1MMPX9MM,LIN 8X9MM

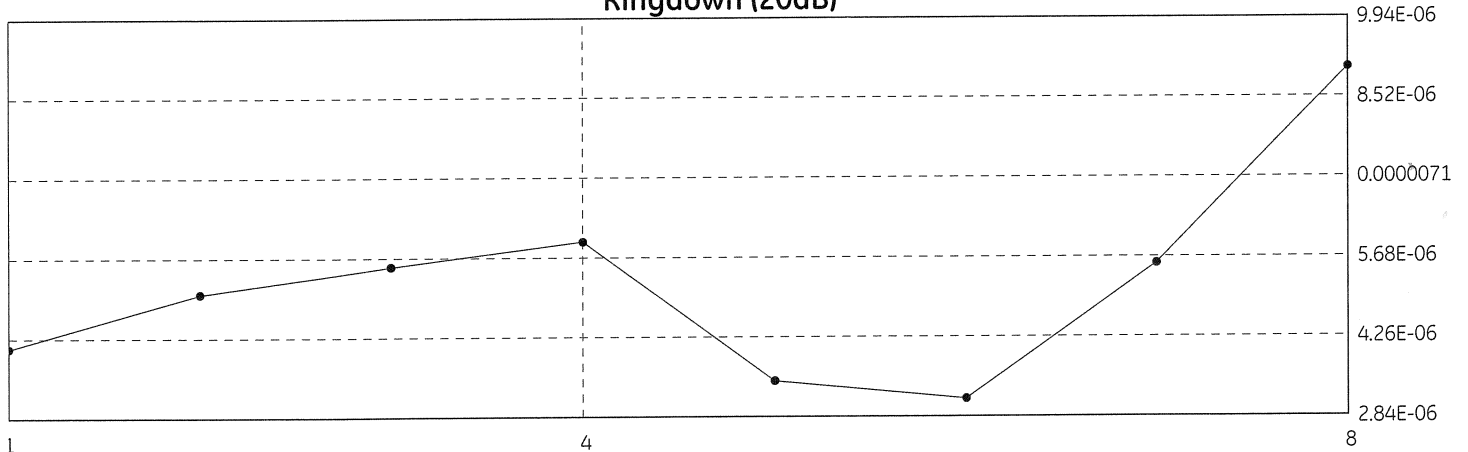
Thursday, August 02, 2012

Sensitivity (Loop dB)



Min: -69.90 Max: -67.65 Mean: -68.69

Ringdown (20dB)



Min: 3.16E-06 Max: 9.04E-06 Mean: 5.23E-06

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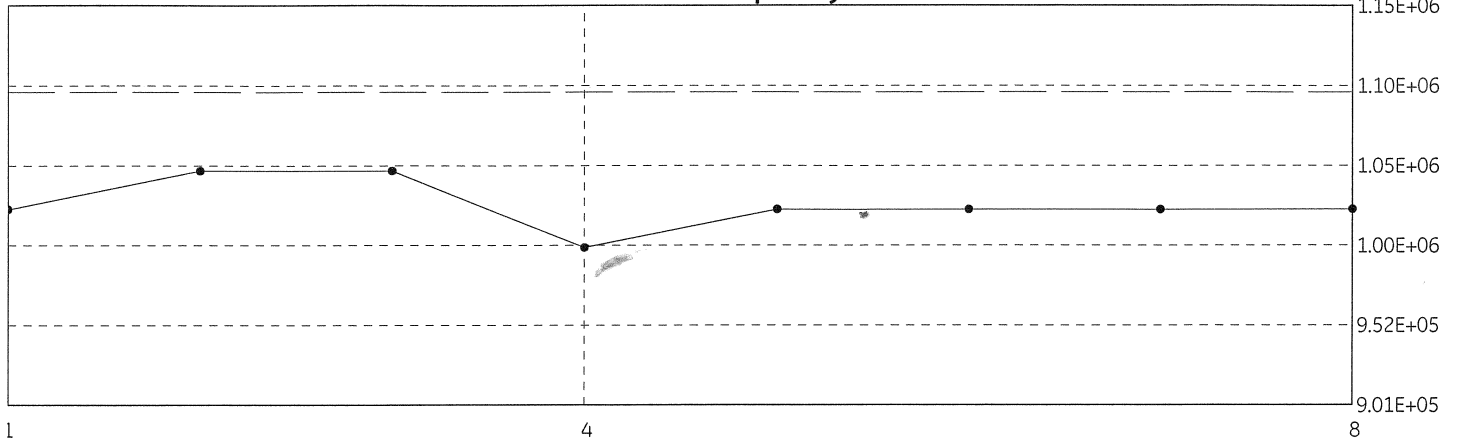
# 026CLX

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115-500-046 1.0MHZ8EL1MMPX9MM,LIN 8X9MM

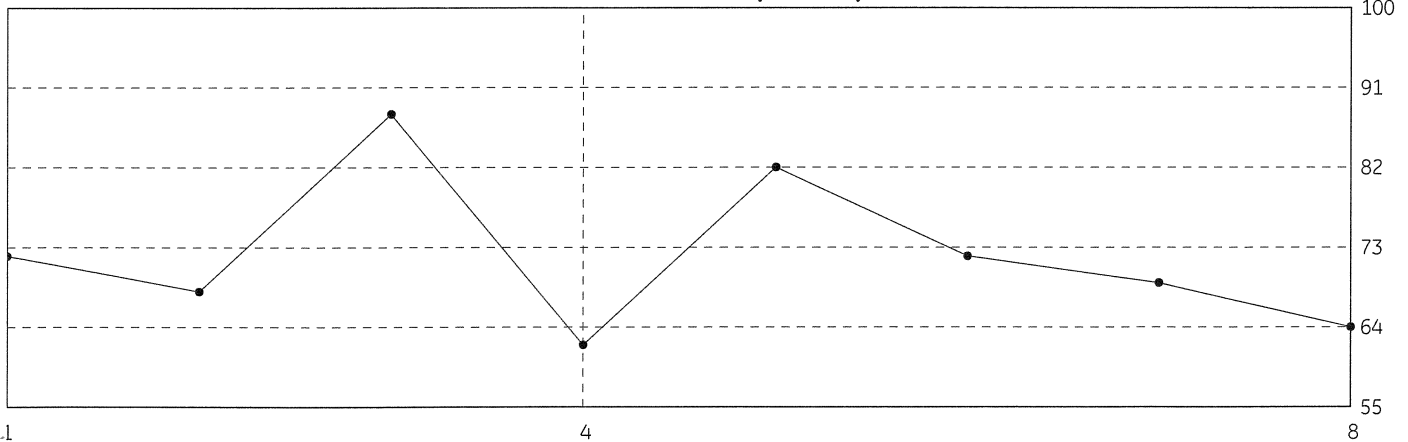
Thursday, August 02, 2012

Center Frequency



Min: 1.00E+06 Max: 1.05E+06 Mean: 1.03E+06

Bandwidth (6dB %)



Min: 62.00 Max: 88.00 Mean: 72.13

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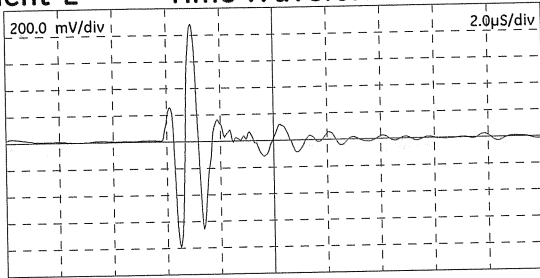


# 026CLX

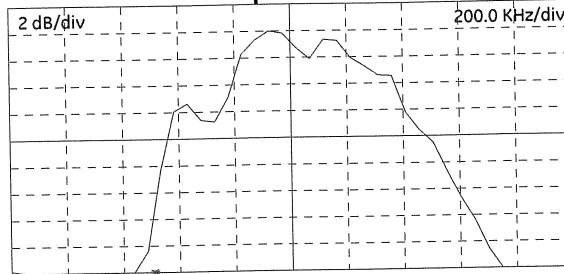
115-500-046 1.0MHZ8EL1MMPX9MM,LIN 8X9MM  
Thursday, August 02, 2012

## Certification of Conformity

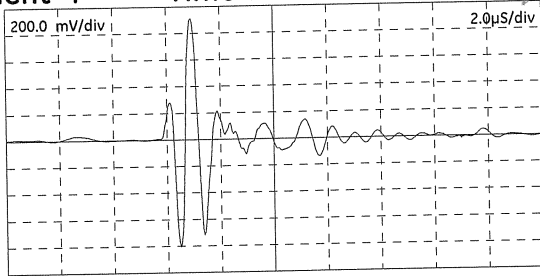
**Element 2 Time Waveform**



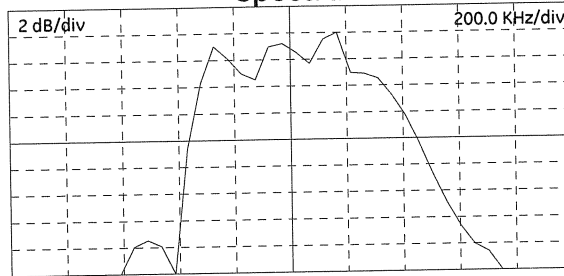
**Spectrum**



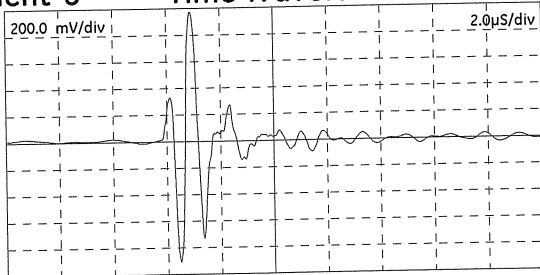
**Element 4 Time Waveform**



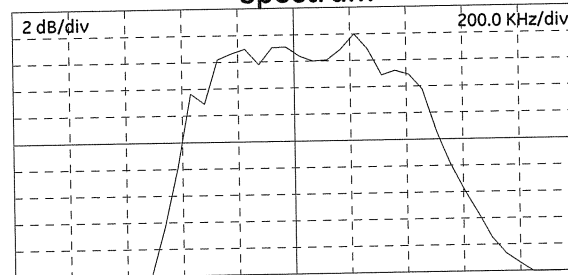
**Spectrum**



**Element 6 Time Waveform**



**Spectrum**



The Ultrasonic Transducer listed above has been performance tested and meets all manufacturing specifications. It performed as designed and specified on the applicable style of Krautkramer instrumentation.

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