

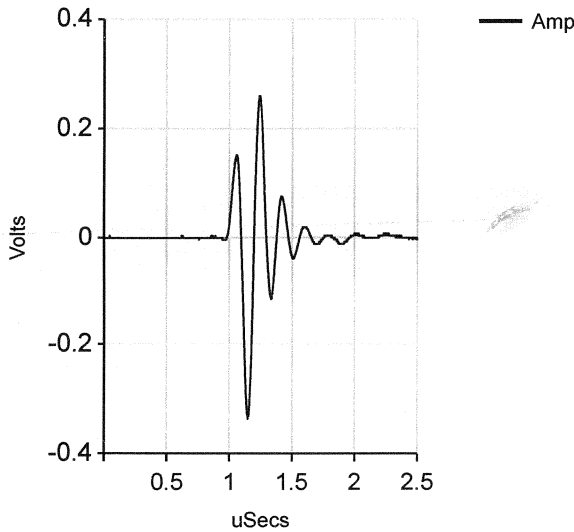


Transducer Certificate of Conformity
Compliant to ASTM E-1065

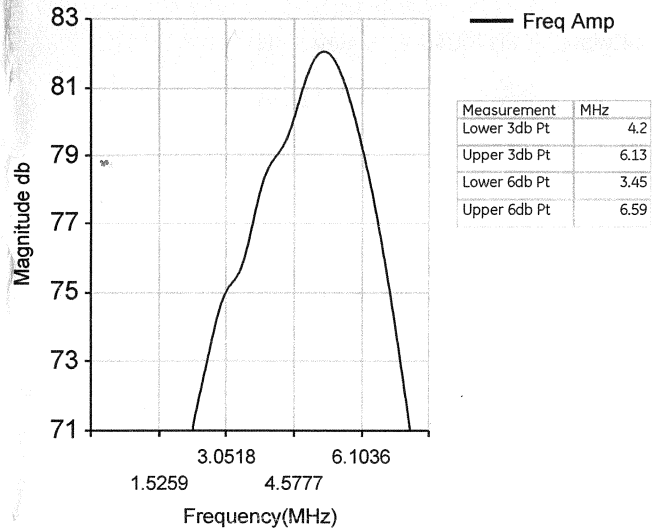
Date 03/08/2019
Part Number 113-244-280

Serial Number S000014
Description FIP---XDCR ISS 5X.5UHF Spherical focus

Real Time Waveform



Frequency Spectrum



Waveform is first return echo from indicated target.

Test Data

UTA	Setting
Receiver Imp	50
Pulser Imp	High
Energy	MID-HIGH
Voltage	100
Mode	T/R
Pulser	UTA
HP Filter	1.0 MHz
LP Filter	22.5 MHz
Target	1.0" 303 Steel @ Focal Point
UTA Gain	-3.6

Test	Min	Measured	Max
Loop Sensitivity(db)	-34	-33.44	-28
Center Freq(MHz)		5.02	
Peak Freq(MHz)	4.5	5.25	5.5
6db Bandwidth %	50	62	90
20db Ringdown(usec)		0.518	0.81
Focus(in)		1.52	

UTA SN DF0517
 UTA Cal Due Date 07/01/2021
 O-Scope SN C048089
 O-Scope Cal Date 01/25/2020
 Target SN 1163/20



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Date	03/08/2019	Serial Number	S000014
Part Number	113-244-280	Description	FIP---XDCR ISS 5X.5UHF Spherical focus
Inspector	PS		
Software	FNT0040	Rev	H
Test Procedure	0511466		

The Ultrasonic Transducer in this document has been performance tested and meets all manufacturing specifications.

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 ANSINCSL Z540-1-1994.

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