

NIELIT CHENNAI

Minimum Specification for the Purchase of Ultrasound Cardiac Probe

Technical Specification of the Product: - Ultrasound Cardiac Probe for the specification of 1 to 5 Mhz

Transducer		P2.5-6420C	
System Integration Information		Unit	Value
Element Pitch		mm	0.254
Number of Elements		NA	64
ROC(Matching layer top)		mm	NC
(Acoustic Lens)		mm	1.2
Elevation Focus		mm	90
Field of View		Degree	NC
Performance Specifications		Unit	Value
Sensitivity(average)		dB	Nom. 60±5
Center Frequency (-6dB,average)		MHZ	Nom. 2.5±0.5
Relative Bandwidth (-6dB,average)		%	Nom. ≥ 70
-20db Plus Length (-20db,average)		µSec	Nom. ≤ 1.9
Safety Assurance			
Project	Items	According to	Result Project
Biocompatibility	Cytotoxicity	EN ISO 10993-23:2021;	Pass
	Skin Sensitization	ISO 10993-10:2021	
	Skin Irritation	ISO 10993-5:2009 GB/T 16886.5-2017 GB/T 1688.10-2017	
Environmental Suitability			
Operating		10°C~40°C, 30%~80%, 700hpa-1060hpa	
Transport & Storage		-5°C~50°C, 10%~90%,700hpa-1060hpa	
Warranty	To guarantee period of 12 months		

Technical Specification of the Product: - 64 element Ultrasound Cardiac Probe with P4-2C transducer and 2.5 Mhz specification

Phased Array					
Transducer	Specification	Fc	Element	Aperture	Focus
P4-2C	2.5MHz/64	2.5	64	12	65

