

Mode	Non-Contact / TappingMode™		
Model	NCH	NCHR	NCHPt
Application	Tapping(Non-Contact)	Tapping(Non-Contact)	Tapping(Non-Contact)
General	Monilitic Silicon Probe		

Technical Data	Value	Range	Value	Range	Value	Range
Thickness	4μm	3.5 ~ 4.5	4μm	3.5 ~ 4.5	4μm	3.5 ~ 4.5
Mean Width	30μm	25 ~ 35	30μm	25 ~ 35	30μm	25 ~ 35
Length	125μm	120 ~ 130	125μm	120 ~ 130	125μm	120 ~ 130
Force Constant	42 N/m	21 ~ 78	42 N/m	21 ~ 78	42 N/m	21 ~ 78
Resonance Frequency	320 kHz	250 ~ 390	320 kHz	250 ~ 390	320 kHz	250 ~ 390
Tip Height	10 ~ 15μm		10 ~ 15μm		10 ~ 15μm	
Tip Radius	<10 nm		<10 nm		<10 nm	
Reflex Coating	No		30nm thick Aluminium		23nm thick double layer Ptlr5 coating	

Order Code	Order Code	Quantity	Order Code	Quantity	Order Code	Quantity
Non-Contact / Tapping	NCH-10	10	NCHR-10	10	NCHPt-10	10
	NCH-20	20	NCHR-20	20	NCHPt-20	20
	NCH-50	50	NCHR-50	50	NCHPt-50	50
	NCH-W	380	NCHR-W	380	NCHPt-W	380

Mode	Non-Contact / TappingMode™			
Model	NCL	NCLR	SEIHR	ZEIHR
Application	Tapping(Non-Contact)	Tapping(Non-Contact)	Seiko)High Force Constar	Zeiss)High Force Constar
General	Monilitic Silicon Probe			

Technical Data	Value	Range	Value	Range	Value	Range	Value	Range
Thickness	7μm	6.5 ~ 7.5	7μm	6.5 ~ 7.5	5μm	4.5 ~ 5.5	5μm	4.5 ~ 5.5
Mean Width	38μm	33 ~ 43	38μm	33 ~ 43	33μm	27.5 ~ 37.5	57μm	52.5 ~ 62.5
Length	225μm	220 ~ 230	225μm	220 ~ 230	225μm	220 ~ 230	225μm	220 ~ 230
Force Constant	48 N/m	31 ~ 71	48 N/m	31 ~ 71	15 N/m	9 ~ 25	27 N/m	17 ~ 41
Resonance Frequency	190 kHz	160 ~ 210	190 kHz	160 ~ 210	130 kHz	110 ~ 150	130 kHz	110 ~ 150
Tip Height	10 ~ 15μm		10 ~ 15μm		10 ~ 15μm		10 ~ 15μm	
Tip Radius	>10 nm		>10 nm		>10 nm		>10 nm	
Reflex Coating	No		30nm thick Aluminium		30nm thick Aluminium		30nm thick Aluminium	

Order Code	Order Code	Quantity	Order Code	Quantity	Order Code	Quantity	Order Code	Quantity
Non-Contact / Tapping	NCL-10	10	NCLR-10	10	SEIHR-10	10	ZEIHR-10	10
	NCL-20	20	NCLR-20	20	SEIHR-20	20	ZEIHR-20	20
	NCL-50	50	NCLR-50	50	SEIHR-50	50	ZEIHR-50	50
	NCL-W	380	NCLR-W	380	SEIHR-W	380	ZEIHR-W	380