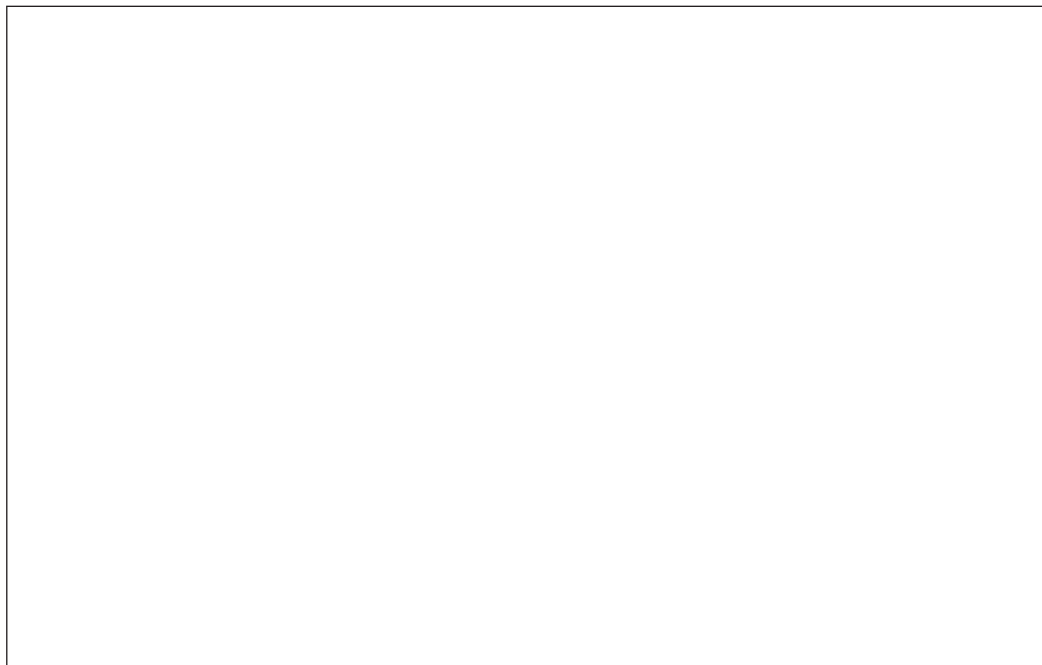


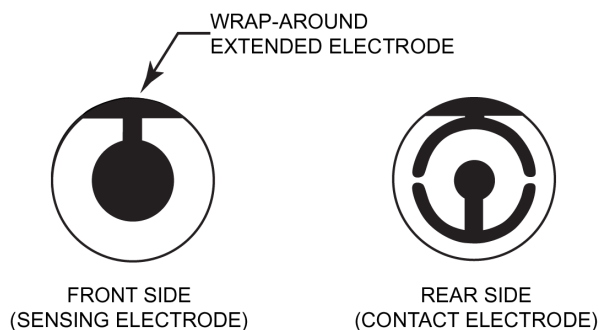
Frequencies:	5 MHz and 9 MHz
Frequency Range:	4.976 – 5.020 MHz 8.976 – 9.036 MHz
Resistance:	5 MHz, ~10 Ohms 9 MHz, ~7 Ohms
Crystal Diameter:	1 in. (25.4 mm)
Crystal Contour:	Plano-Plano
Crystal Orientation:	AT-Cut, for frequency stability over temperature
Compatibility:	INFICON/Maxtek liquid probes and crystal holders
Front Electrode Diameter:	0.5 in. (12.7 mm)
Packaging:	Individually packaged/sold
Crystal Thickness:	5 MHz, 0.013 in. (333 μ m) 9 MHz, 0.007 in. (185 μ m)
Surface Roughness:	50 Å (polished)

Figure 1



ORDERING INFORMATION

INFICON 1 in. (25.4 mm) Diameter Crystals – Electrode Configuration



1 in. (25.4 mm) Crystals, AT-Cut, 90°C

Part No./Finish		Frequency	Electrode Material (Front)	
Polished	Unpolished		Adhesion Layer	Sensing Electrode
149211-1	149211-2	5 MHz	Chromium	Gold
149238-1	149238-2	5 MHz	Titanium	Gold
149240-1	149240-2	5 MHz	Titanium	Platinum
149241-1	149241-2	5 MHz	Chromium	Platinum
149242-1	–	5 MHz	Titanium	Silver
149243-1	–	5 MHz	Titanium	Aluminum
149248-1	–	5 MHz	Titanium (No adhesion layer)	
149250-1	–	5 MHz	Chromium	Nickel
149252-1	–	5 MHz	Chromium	Iron
149255-1	–	9 MHz	Chromium	Gold
149270-1	–	5 MHz	Titanium	SiO ₂
149280-1	–	5 MHz	Chromium (No adhesion layer)	
750-1030-G1	–	5 MHz	Aluminum (No adhesion layer)	
750-1031-G1	–	5 MHz	Uncoated (Chromium/Gold contact electrode and wrap-around)	
750-1035-G1	–	5 MHz	Uncoated (Titanium/Gold contact electrode and wrap-around)	
SPC-1193-P1	–	5 MHz	Titanium/Gold	Iron

1 in. (25.4 mm) Crystals, AT-Cut, 25°C

Part No./Finish		Frequency	Electrode Material (Front)	
Polished	Unpolished		Adhesion Layer	Sensing Electrode
149257-1	–	5 MHz	Titanium	Gold
149272-1	–	9 MHz	Chromium	Gold
149273-1	–	5 MHz	Chromium	Gold
149274-1	–	5 MHz	Titanium	Platinum
149275-1	–	5 MHz	Titanium	Silver
149276-1	–	5 MHz	Titanium	Aluminum
149277-1	149277-2	5 MHz	Titanium/Gold/Titanium	SiO ₂
750-1029-G1	750-1033-G1	5 MHz	Titanium (No adhesion layer)	
750-1037-G1	–	9 MHz	Titanium	Platinum
750-1039-G1	–	9 MHz	Titanium/Gold/Titanium	SiO ₂
149296-1	–	9 MHz	Titanium	Gold



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