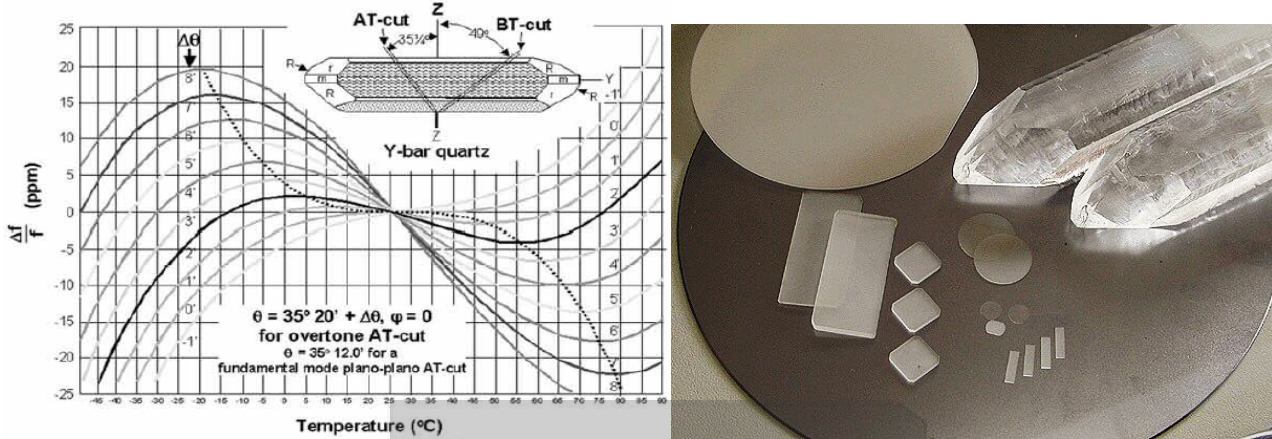




We are committed to the supply of all types of substrate wafers to the microelectronics industry

Quartz Blanks



This material consists of single-crystal right-handed a-quartz artificially grown bars which is intended for use in fabrication of piezoelectric for such as timing frequency control and frequency selection under hydro-thermal condition on a seed with its length along the Y axis.

Specifications for Quartz Blanks

Material	Quartz Blanks (Piezo Grade)
Materials	Both Pure Z and Y Bar available
Synthetic Q-Value	Min 1.8×10^6 , 2.4×10^6 to 3.0×10^6 IEC
Etch Channel Density	Max 10/c m ² , Max 30/c m ² , Max 100/c m ² , Max 100/c m ² , Max 300/c m ² ; Swept
Inclusions Density	Ia, Ib, I, II, III
Cut Type	AT, BT, CT, DT, GT, NT, FC, SC, IT, ... etc
Angle Tolerance(±)	Theta Angle: ±5", ±10", ±15", ±30", ±1', ±2', ... , etc Phi Angle: ±5', ±10', ±15', ±30', ... , etc
Diameter For Round Blank	From 3.0mm to 50.80mm (with flat)
Size For Square Blank	1.6x1.6mm ~ 38x38mm
Size For SMD Blank	1.2x2.4mm Above at Customer option
Diameter/Size Tolerance(±)	±0.01 mm
Frequency	1 Mhz up to 54Mhz for AT-Cut Fundamental; Upto 70Mhz By Etching
Flat	As request the flat shall be perpendicular to X axis within ±10 deg
Surface Finishing	#1000(9u); #2000(7u); #3000(5u); #4000(3u) (Sic); Polished(Cerium oxide) and & etched Std
Overtone	Fundamental; Third Overtone (3rd); Fifth Overtone (5th)
Contouring (Diopter)	Plano-Convex: 0.5 Diopter ~ 10 Diopter Bi-Convex: 10 Diopter ~ 15 Diopter

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