

## Inverted Mesa Crystals Blanks 30 - 300MHz 0.200 round clip mount designs

The CM200 series of round inverted Mesa blanks fit mount in standard 0.200" mounts. These high performance mesas exhibit excellent uniformity, enabling stable operation and low spurs.

This family has benefited from XECO processing improvements and is now supplied to frequencies with tighter frequency tolerance.

For lower cost with comparable performance, XECO recommends the SM141 series, which is supplied as blank or with electrodes, and which can be processed to higher frequencies.

### Features

Round Blank design for standard round holders  
XECO high quality crystals enable low spur operation with proper electrode design  
High Q, chemically etched, free of etch channels

### Benefits:

Excellent oscillator and filter performance  
Fit standard mounts for legacy designs  
Meet needs of specialized mounts

### Applications

Standard 0.200 round mount applications  
High performance VCXO, XO, OCXO and specials requiring hybrid design or specialized mountings across Telecom, communications, networking, and military applications

*XECO encourages you to compare*

<b>Operation Mode</b>	Fundamental or Overtone
<b>Frequency Range</b>	30 to 330 MHz
<b>Frequency Range 3Rd:</b>	90 to 990 MHz
<b>Frequency Tolerance</b>	+/- 0.010 F <sup>2</sup> (489KHz at 156.25)
<b>Material and Q</b>	Low Etch Channel Pure Z Quartz with a Q minimum of 1.8 Million, typical 2.2 to 2.4 Million
<b>Surface Finish</b>	Polished
<b>Angle</b>	Std AT cut 35D8' to 35D29' [EFG 3D6' t
<b>Angle Tolerance</b>	+/- 2' or +/- 1'
<b>Dimensions (mm)</b>	5.508 dia x 0.080 mm
<b>Dimensions (inches)</b>	0.200 diagonal x 0.00315
<b>Electrode Size</b>	
<b>Electrode Style</b>	
<b>Electrode Material</b>	
<b>Electrode Freq. Tol.:</b>	<i>more information, sales and technical support:</i>
<b>Contact Material:</b>	
<b>Ship Pack Method</b>	Vacuum sealed wafflepack
<b>Specification Note</b>	Custom or special requirements are available

*For more information, sales and technical support:*



**The Roditi International Corporation Ltd**

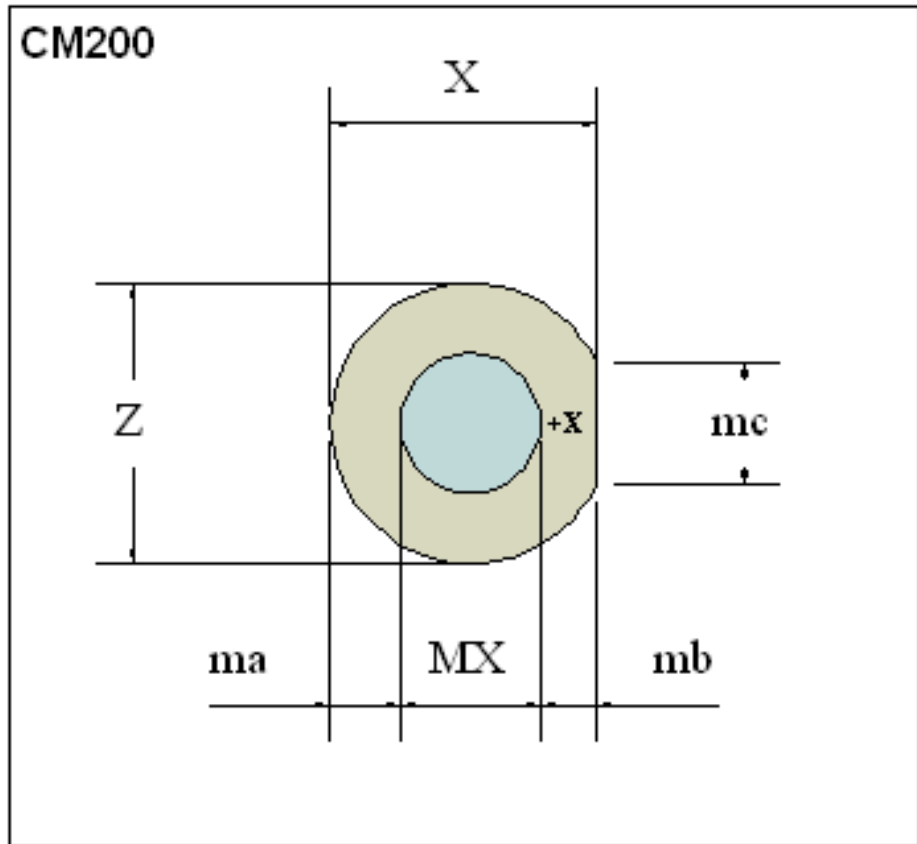
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#### Device Dimensions



mm		
	mm	Tolerances
X	4.826	+0.000 -0.025
Z	5.080	+0.000 -0.025
MX	2.540	+0.025 -0.025
MZ	2.540	+0.025 -0.025
ma	1.270	+0.001 -0.001
mb	1.016	+0.003 -0.003
mc	2.215	+0.001 -0.001
md		+0.001 -0.001
m:		+0.002 -0.002
tx		+0.013 -0.013
t:		+0.013 -0.013
m:	NA	NA
arcS		NA

Inches		
	mils (0.001")	Tolerances
X	190.00	+0.00 -1.00
Z	200.00	+0.00 -1.00
MX	100.00	+1.00 -1.00
MZ	100.00	+1.00 -1.00
ma	50.00	+0.05 -0.05
mb	40.00	+0.10 -0.10
mc	87.20	+0.05 -0.05
md		+0.05 -0.05
m:		+0.08 -0.08
tx		+0.5 -0.5
t:		+0.5 -0.5
m:	NA	NA
arcS		NA

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