

The SM156 series of electrode plated Square inverted Mesa blanks are designed to mount in standard 0.220" mounts (two or four point mounts).

This series offers an much lower pricing than CM220 series.

XECO's proprietary process yields a mesa which is clean and free of defects, enabling high performance operation for oscillators and filters.

### Features

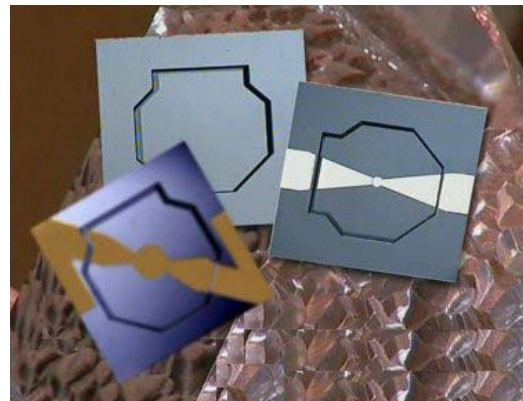
XECO high quality low spurs crystals  
Electrodes plated to opposite corners  
Electrodes in various sizes possible for frequencies and C1/C0 ratios  
Tune Low and Tune High options  
High Q, chemically etched, free of etch channels

### Benefits:

Lower cost implementation than with round blanks  
Low spurs for filter (with small electrodes and Aluminum plating)  
Fit wide range of mounts  
High yield potential

### Applications

Standard 0.220 round mount applications  
High performance VCXO, XO, OCXO, filters, and specials requiring hybrid design  
Telecom, communications, networking, military



<b>Operation Mode</b>	Fundamental or Overtone
<b>Frequency Range</b>	30 to 250 MHz
<b>Frequency Range 3Rd:</b>	90 to 750 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
<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>	3.962 x 3.962 x 0.080 mm
<b>Dimensions (inches)</b>	0.156 x 0.156" (0.220 across diagonal) x
<b>Electrode Size</b>	Contact Sales
<b>Electrode Style</b>	Plated to opposite corners and opposing sides
<b>Electrode Material</b>	Chrome Gold or Aluminum
<b>Electrode Freq. Tol.:</b>	
<b>Contact Material:</b>	Same as Electrode or Chrome-Gold with Aluminum
<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

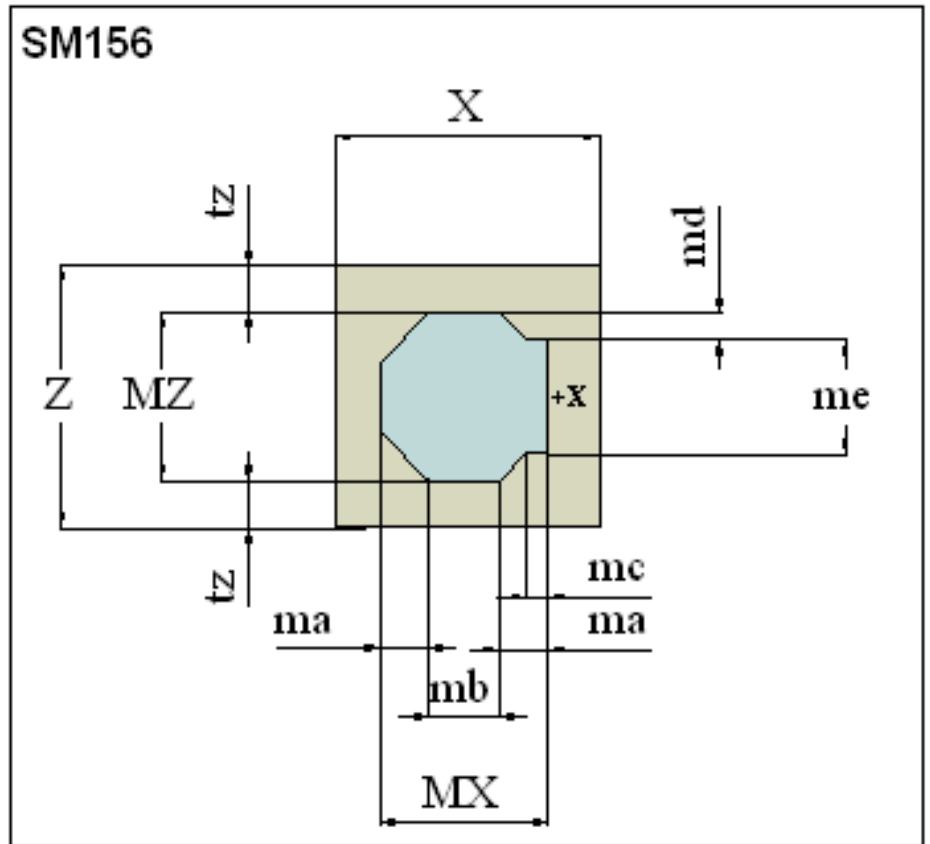
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#### Device Dimensions



mm		
	mm	Tolerances
X	3.962	+0.000 -0.025
Z	3.962	+0.000 -0.025
MX	2.540	+0.025 -0.025
MZ	2.540	+0.025 -0.025
ma	0.744	+0.001 -0.001
mb	1.052	+0.003 -0.003
mc	0.372	+0.001 -0.001
md	0.372	+0.001 -0.001
m:	1.780	+0.002 -0.002
tx	0.711	+0.013 -0.013
t:	0.711	+0.013 -0.013
m:	NA	NA
arcS	NA	NA

Inches		
	mils (0.001")	Tolerances
X	156.00	+0.00 -1.00
Z	156.00	+0.00 -1.00
MX	100.00	+1.00 -1.00
MZ	100.00	+1.00 -1.00
ma	29.29	+0.05 -0.05
mb	41.42	+0.10 -0.10
mc	14.65	+0.05 -0.05
md	14.65	+0.05 -0.05
m:	70.07	+0.08 -0.08
tx	28.00	+0.5 -0.5
t:	28.00	+0.5 -0.5
m:	NA	NA
arcS	NA	NA

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