

The RX150 Series is designed to fit into 3.5 x 6 mm SMD or can style packages and other mounts. XECO's proprietary process yields a mesa which is clean and free of defects, enabling high performance operation for oscillators and filters.

These mesa's are oriented on the X-axis to allow same end or opposite end electrode flags/contacts, and allow for more compact packaging options than other parts.

XECO recommends RM138 or RM126 series for oscillators as a lower cost solution, wider availability of electrode sizes, and higher frequency operation.

Features

Stable oscillation with excellent response

3.81mm x 2.54 x 0.080 mm, 0.150 x 0.100"

High Q, chemically etched, free of etch channels

Mesa oriented across X-Axis

Applications

Crystals for filters and for precise low noise/jitter clock applications.

Customer applications for SONET, 10G, 1G, Storage, network communications

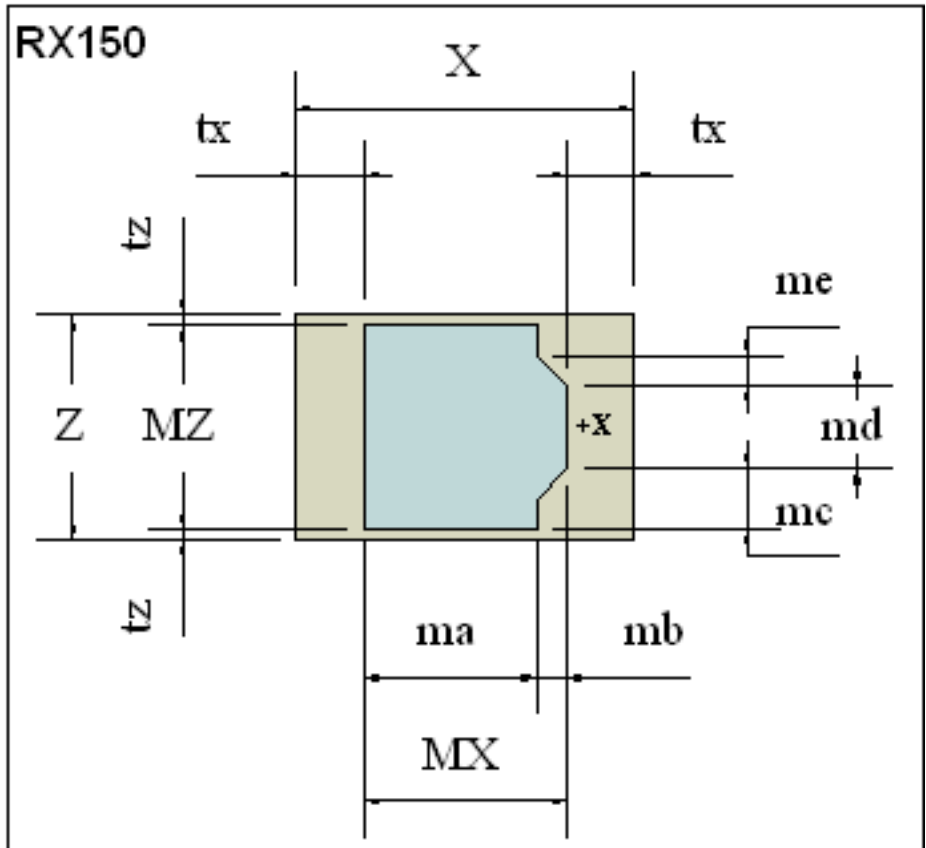
Benefits:

Excellent oscillator and filter performance

Easy mounting in 3.5 x 6 mm or can packages

Operation Mode	Fundamental or Overtone
Frequency Range	30 to 180 MHz*
Frequency Range 3Rd:	90 to 540 MHz
Frequency Tolerance	+/- 0.010 F ² (489KHz at 156.25)
Material and Q	Low Etch Channel Pure Z Quartz with a Q minimum of 1.8 Million
Surface Finish	Polished
Angle	Std AT cut 35D8' to 35D29' [EFG 3D6' t
Angle Tolerance	+/- 2' or +/- 1'
Dimensions (mm)	3.81mm x 2.54 x 0.080 mm
Dimensions (inches)	0.150 x 0.100 x 0.00315"
Electrode Size	Contact Sales
Electrode Style	Same side and opposite end contacts
Electrode Material	Chrome Gold or Aluminum
Electrode Freq. Tol.:	
Contact Material:	Same as Electrode or Chrome-Gold with Aluminum
Ship Pack Method	Vacuum sealed wafflepack
Specification Note	Custom or special requirements are available

Device Dimensions



mm		
	mm	Tolerances
X	3.810	+0.000 -0.025
Z	2.540	+0.000 -0.025
MX	2.286	+0.025 -0.025
MZ	2.286	+0.025 -0.025
ma	1.951	+0.001 -0.001
mb	0.335	+0.003 -0.003
mc	0.670	+0.001 -0.001
md	0.947	+0.001 -0.001
m:	0.335	+0.002 -0.002
tx	0.762	+0.013 -0.013
t:	0.127	+0.013 -0.013
m:	NA	NA
arcS	NA	NA

Inches		
	mils (0.001")	Tolerances
X	150.00	+0.00 -1.00
Z	100.00	+0.00 -1.00
MX	90.00	+1.00 -1.00
MZ	90.00	+1.00 -1.00
ma	76.82	+0.05 -0.05
mb	13.18	+0.10 -0.10
mc	26.36	+0.05 -0.05
md	37.28	+0.05 -0.05
m:	13.18	+0.08 -0.08
tx	30.00	+0.5 -0.5
t:	5.00	+0.5 -0.5
m:	NA	NA
arcS	NA	NA