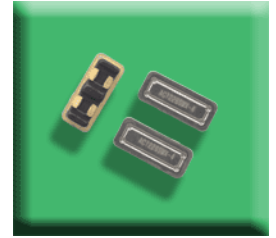


ACT226SMX-4

The **ACT226SMX-4** is a low frequency Surface Mount crystal with a 2mm package height. The glass ceramic package makes it ideal for automatic handling.

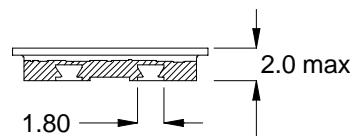
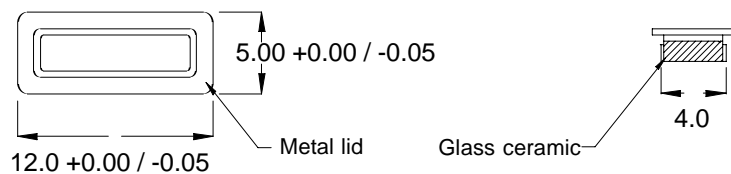
Applications include Hand Held Terminals, Scanners, Hard Disc Drives and DVDs.



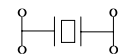
Parameter	Symbol	Specification	Condition
Frequency Range	fo	3.20 ~ 30.00 MHz	AT- cut Fundamental
		27.00 ~ 70.00 MHz	AT- cut 3rd Overtone
		24.00 ~ 48.00 MHz	BT- cut Fundamental
Frequency Tolerance	$\Delta f/fo$	$\pm 30\text{ppm}$ ($\pm 0.003\%$) @25°C	Others avail. Please specify
Frequency Stability	$\Delta f/fo$	$\pm 30\text{ppm}$ ($\pm 0.003\%$) AT- cut over -10 ~ +60°C	Others avail. Please specify
		$\pm 100\text{ppm}$ ($\pm 0.01\%$) BT- cut over -10 ~ +60°C	Others avail. Please specify
Temp Operating Range	Topr	-10 ~ +60°C	
Temp Storage Range	Tstg	-40 ~ +85°C	
Equivalent Series Resistance	ESR	See table	
Shunt Capacitance	C0	7pF	Maximum
Load Capacitance	C _L	8 ~ 32pF & Series	Please specify
Drive Level	DL	500μW	Maximum
Aging	$\Delta f/fo$	Less than $\pm 3\text{ppm}$ / year	At 25°C
Reflow Profile	Tsol	10 seconds maximum @ 260°C	

ESR Values

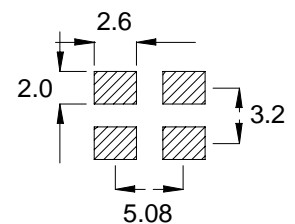
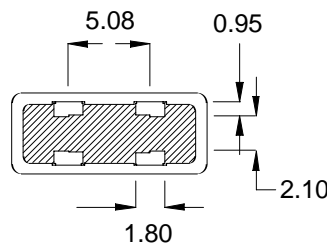
Frequency	Osc.Mode	ESR Ω max
3.2 ~ 3.4	AT Fund.	300
3.5 ~ 4.0	AT Fund.	150
4.1 ~ 4.9	AT Fund.	120
5.0 ~ 5.9	AT Fund.	100
6.0 ~ 8.9	AT Fund.	80
9.0 ~ 9.9	AT Fund.	60
10.0 ~ 12.9	AT Fund.	50
13.0 ~ 24.0	AT Fund.	45
24.1 ~ 30.0	AT Fund.	40
24.0 ~ 48.0	BT Fund.	40
27.0 ~ 30.0	3 RD O/T	150
30.0 ~ 50.0	3 RD O/T	100
50.1 ~ 70.0	3 RD O/T	80



Dimensions in mm



Suggested Footprint



ISO9002 Registered - Registration number 6830/2

For quotations or further information please contact us at:

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