

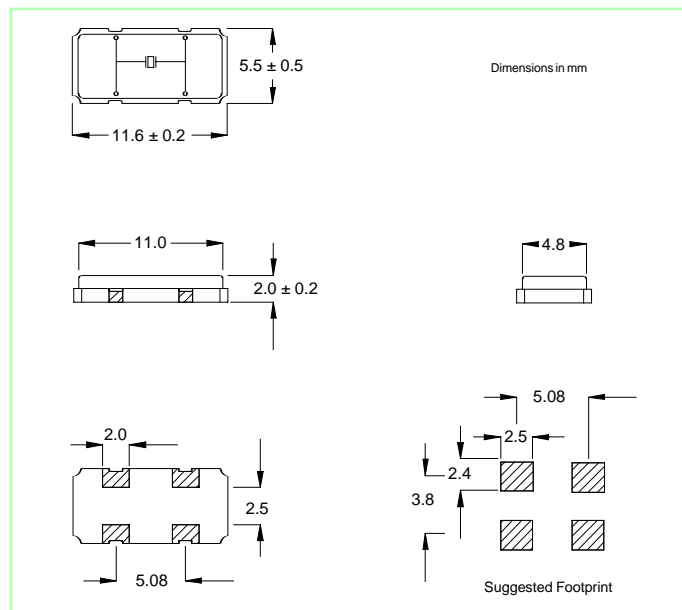
## ACT225SMX-4

Only 2mm tall and small size, the ACT225 is ideal for fitting on high density boards where height restriction is a constraint. This part offers good environmental and heat resisting characteristics due to the highly reliable ceramic package.  
 These devices can be used in a wide range of applications including Communications & Audio Visual equipment, measuring Instruments and all manner of portable and static products.



Parameter	Symbol	Specification	Condition
Frequency Range	fo	3.5MHz ~ 30MHz	
Frequency Tolerance	$\Delta f/fo$	$\pm 30\text{ppm}$ & $50\text{ppm}$	@25°C
Temp Operating Range	Topr	-40°C ~ +85°C	
Stability over Temp Range °C	$\Delta f/fo$	$\pm 50\text{ppm}$ ( $\pm 30\text{ppm}$ )	Please specify
Temp Storage Range	Tstg	-55°C ~ +125°C	
Equivalent Series Resistance	ESR	See table below	@25°C
Shunt Capacitance	C0	7pF max	
Load Capacitance	CL	10 ~ 32pF & SR	Please specify
Drive Level	DL	50 ~ 100 $\mu$ W	
Insulation Resistance	IR	500M $\Omega$ Min	
Aging (First Year)	$\Delta f/fo$	$\pm 5\text{ppm}$	@25°C $\pm 3^\circ\text{C}$

Frequency (MHz)	ESR ( $\Omega$ ) max
3.50 ~ <4.00	200
4.00 ~ <6.00	150
6.00 ~ <10.00	100
10.00 ~ <14.00	80
14.00 ~ 30.00	50



Please note that not all parameters can necessarily be specified in a single device

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