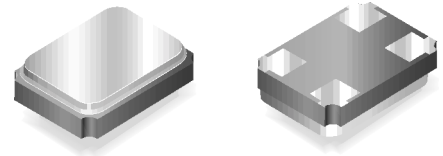


The HE-MCC-32 is the most compact all ceramic surface mount crystal in the industry, with a package size of only 3.2 x 2.5 x 0.7mm. This crystal is offered with a wide frequency range from 13 MHz up to 48 MHz, fundamental operating mode, ability to withstand IR or vapor phase reflow soldering processes, and stabilities as tight as ±15 PPM over -30°C to +85°C (selected frequencies), making the HE-MCC-32 ideal for very space limited applications.



On tape and reel.

ELECTRICAL SPECIFICATIONS

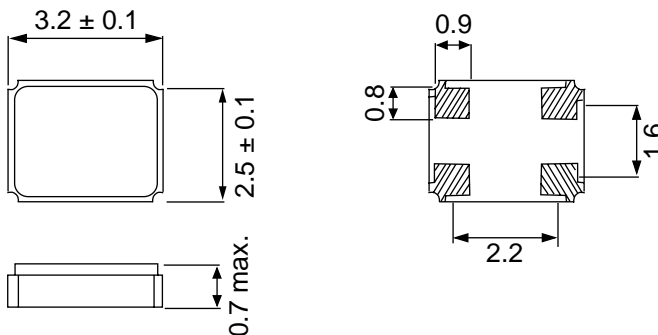
PARAMETERS	CONDITIONS	MINIMUM	STANDARD	MAXIMUM	UNIT
FREQUENCY RANGE			18.432		MHz
FREQ. TOLERANCE	at 25 °C		-50*		PPM
FREQ. STABILITY (reference @ 25°C)	-40 °C to +85 °C		-50*		PPM
OPERATING TEMPERATURE		-40 °C to +85 °C			°C
STORAGE TEMPERATURE		-55 °C to +125 °C			°C
SHUNT CAPACITANCE (C ₀)				5.0	pF
LOAD CAPACITANCE (C _L)			16		pF
DRIVE LEVEL	12.800 - 80.000 MHz		0.1		mW
AGING CHARACTERISTICS			+/- 3 PPM max @ 25 °C per year		

* Tight tolerances optional - please specify

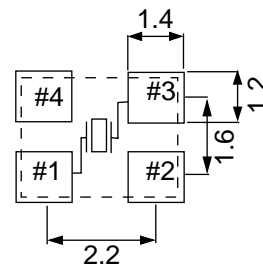
EQUIVALENT SERIES RESISTANCE

Frequency (MHz)	OSC. Mode	Max. ESR (Ω)	Frequency Range (MHz)	OSC Mode	Max. ESR (Ω)
18.432	AT Fund.	60			

MECHANICAL DRAWING



Recommended Solder Pad Layout



Unit : mm