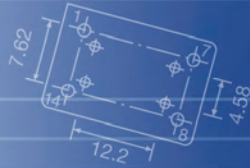


ECX-2236Q SMD CRYSTAL

The ECX-2236Q is a miniature SMD Crystal with a 2.5 x 2.0 mm footprint . AEC-Q200 Qualified.

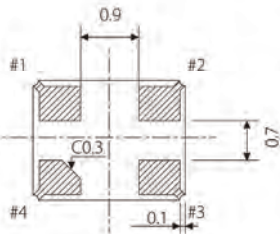
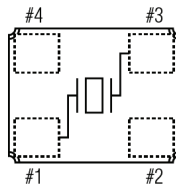
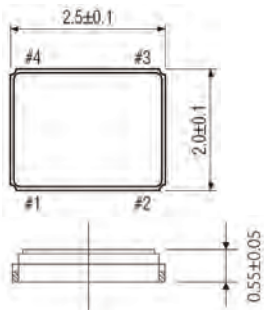


OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECX-2236Q			UNITS
		MIN	TYP	MAX	
Frequency Range		12.000		40.000	MHz
Frequency Tolerance	at +25°C			± 30	ppm
Frequency Stability	-40 to +125°C (ES Option)			± 50	ppm
Shunt Capacitance				5	pF
Load Capacitance	Specify in P/N		8		pF
Drive Level			10	100	μW
Operating Temperature	(ES Option)	-40		+125	°C
Storage Temperature		-40		+125	°C
Aging (Per Year)	@ +25°C ±3°C			±5	ppm

EQUIVALENT SERIES RESISTANCE/MODE OF OSCILLATION

FREQUENCY RANGE (MHz)	MODE OF OSC	MAX ESR Ω	FREQUENCY RANGE (MHz)	MODE OF OSC	MAX ESR Ω
12.00 ~ 15.999	Fundamental	150	20.000 ~ 29.999	Fundamental	60
16.00 ~ 19.999	Fundamental	80	30.000 ~ 34.999	Fundamental	50
			35.000 ~ 40.000	Fundamental	40



Pad Connections	
1	In/Out
2	Gnd
3	Out/In
4	

