

- ▶ Low profile
- ▶ 2.0 x 1.6 mm Footprint
- ▶ Extended Temp Range Option
- ▶ RoHS Compliant

ECX-1637

SMD CRYSTAL

The sub miniature ECX-1637 is a very compact SMD Crystal. The 2.0 x 1.6 x 0.45 mm ceramic package is ideal for today's SMD manufacturing environment.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECX-1637			UNITS
		MIN	TYP	MAX	
Frequency Range		16.000		80.000	MHz
Frequency Tolerance	at +25°C			± 50 *	ppm
Frequency Stability	-20 to +70°C			± 50 *	ppm
Shunt Capacitance				5	pF
Load Capacitance	Specify in P/N		8		pF
Drive Level				100	µW
Operating Temperature		-20		+70	°C
Storage Temperature		-40		+85	°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
16.00 ~ 23.999	Fundamental	100	26.000 ~ 39.999	Fundamental	60
24.00 ~ 25.999	Fundamental	80	40.000 ~ 80.000	Fundamental	50

DIMENSIONS (mm)

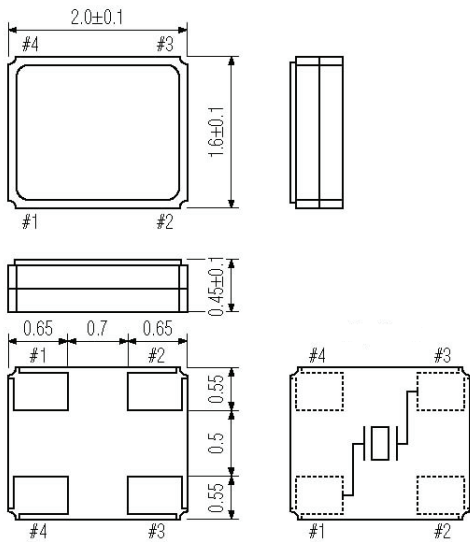


Figure 1) Top, Side, Bottom, End views and Crystal Connection (Top View)

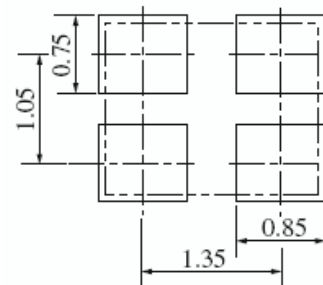


Figure 2) Suggested Land Pattern

Custom Options

PART NUMBERING GUIDE: Example ECS-240-8-37-TR