ECS-.327-CDX-1074
SMD CRYSTAL

The ultra-minature ECS-.327-CDX-1074 is a very compact SMD Tuning Fork Crystal. The 2.0 x 1.2 x 0.6 mm ceramic package is ideal for today's SMD manufacturing environment.

ECS-.327-CDX-1074



- Low Power RTC Applications
- 2.0 x 1.2 mm Footprint
- Extended Temp. Range
- Low ESR
- RoHS Compliant

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECS-.327-CDX-1074			UNITS
		MIN	TYP	MAX	
Frequency			32.768		KHz
Frequency Tolerance	@ +25°C			± 20	ppm
Temperature Coefficient		-0.028	-0.034	-0.040	ppm/°C²
Shunt Capacitance	Co		1.3		pF
Load Capacitance			9		pF
Drive Level	DL		0.1	0.5	µW
Equivalent Series Resistance	R1		60K	80K	Ω
Turnover Temperature		+20	+25	+30	°C
Operating Temperature	Topr	-40		+85	°C
Storage Temperature	Tstg	-55		+125	°C
Aging (First Year)	@ +25°C ±3°C			±3	ppm
Insulation Resistance	@ 100Vdc ±15V	500M			Ω

DIMENSIONS (mm)

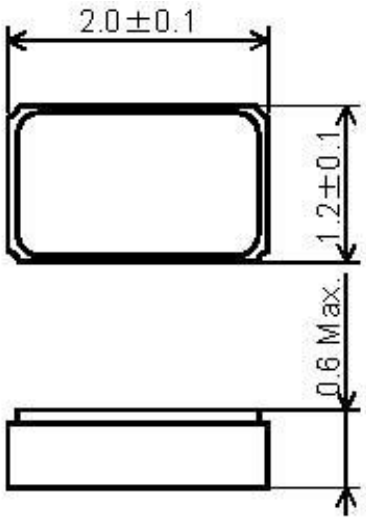
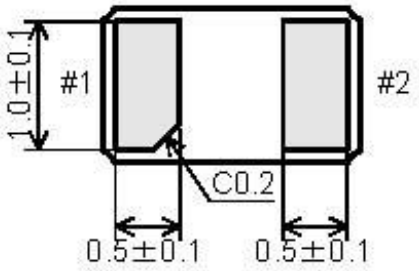


Figure 1) *Top, Side, and Bottom views*



PAD CONNECTIONS	
1	In/Out
2	Out/In

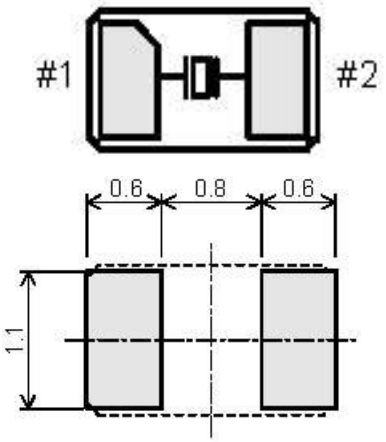
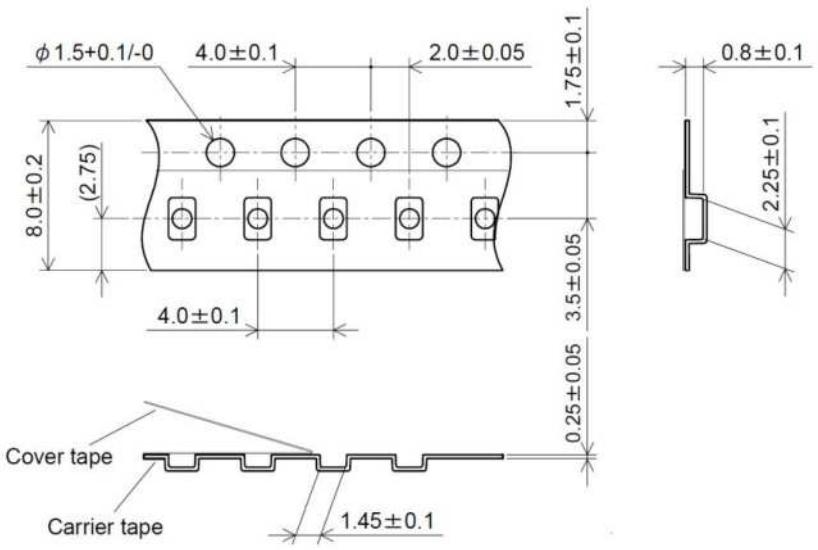


Figure 2) *Suggested Land Pattern*

PART NUMBER: Example ECS-.327-CDX-1074

Rev.2017

POCKET TAPE DIMENSIONS (mm)



SOLDER PROFILE
Peak solder Temp +260°C Max 10 sec Max.
2 Cycles Max.
MSL 1, Lead Finish Au

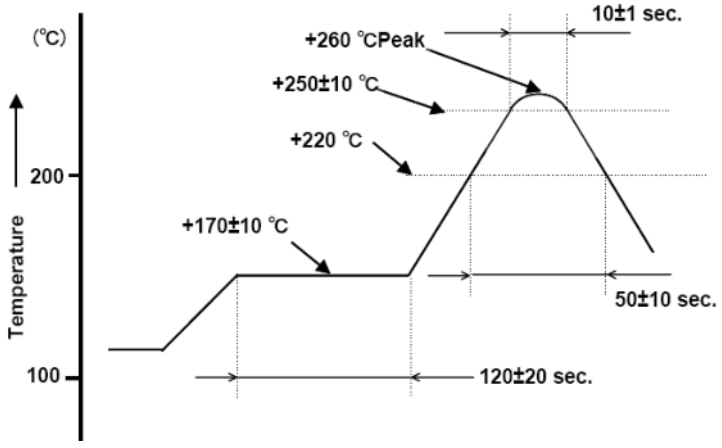


Figure 1) *Suggested Reflow Profile*