ECX-.327-CDX-1293
SMD CRYSTAL

The ultra-minature ECX-.327-CDX-1293 is a very compact SMD Tuning Fork Crystal with a tight Tolernace of ±5 ppm. The 3.2 x 1.5 x 0.9 mm ceramic package is ideal for today's SMD

ECX-.327-CDX-1293



- Low Profile
- 3.2 x 1.5 mm Footprint
- ±5 ppm tolerance @ +25°C
- Extended Temp. Range
- RoHS Compliant

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECX-.327-CDX-1293			UNITS
		MIN	TYP	MAX	
Frequency			32.768		KHz
Frequency Tolerance	@ +25°C			± 5	ppm
Load Capacitance	Specify in P/N		12.5		pF
Drive Level	DL		0.1	1.0	µW
Equivalent Series Resistance	R1			70K	Ω
Turnover Temperature		+20	+25	+30	°C
Temperature Coefficient		-0.028	-0.034	-0.040	ppm/°C²
Shunt Capacitance	Co		1.05		pF
Aging (First Year)	@ +25°C ±3°C			±3	ppm
Operating Temperature	Topr	-40		+85	°C
Storage Temperature	Tstg	-55		+125	°C
Insulation Resistance	@ 100V DC	500M			Ω

DIMENSIONS (mm)

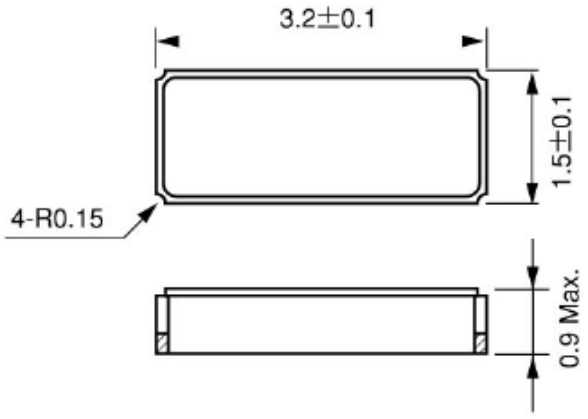
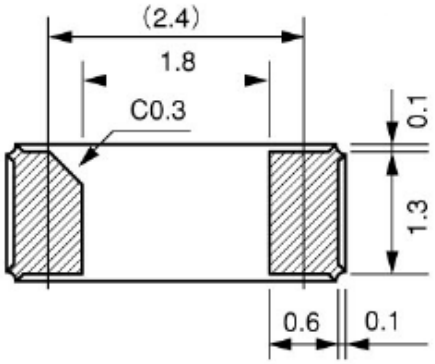


Figure 1) *Top, Side, and Bottom views*



PAD CONNECTIONS	
1	In/Out
2	Out/In

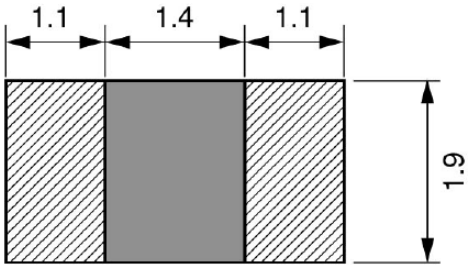
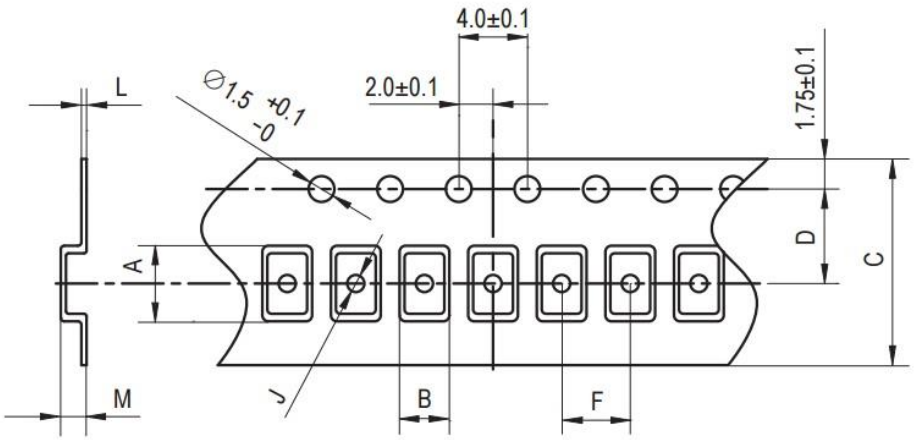


Figure 2) *Suggested Land Pattern*

Part Number: ECX-.327-CDX-1293

Rev.2017

POCKET TAPE DIMENSIONS (mm)



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
3.4	1.7	12.0	5.5	4.0	1.0	0.3	1.2	180	3000pcs

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

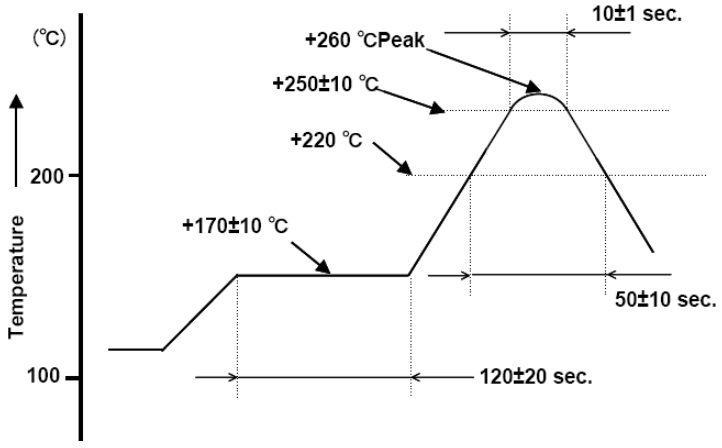


Figure 1) *Suggested Reflow Profile*