

ECS-.327-CDX-1293 SMD CRYSTAL

The industry standard package size 3.2 x 1.5 mm
ECX-.327-CDX-1293 SMD Tuning Fork Crystal highlights a tight
Tolerance of ± 5 ppm. Guaranteed maximum ESR of 70 k Ω .

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



- Low Profile
- 3.2 x 1.5 mm Footprint
- Extended Temp. Range
- RoHS Compliant

PARAMETERS	CONDITIONS	ECS-.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	μ W
Equivalent Series Resistance	R1			70K	Ω
Turnover Temperature		+20	+25	+30	°C
Temperature Coefficient		-0.028	-0.034	-0.040	ppm/°C ²
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)

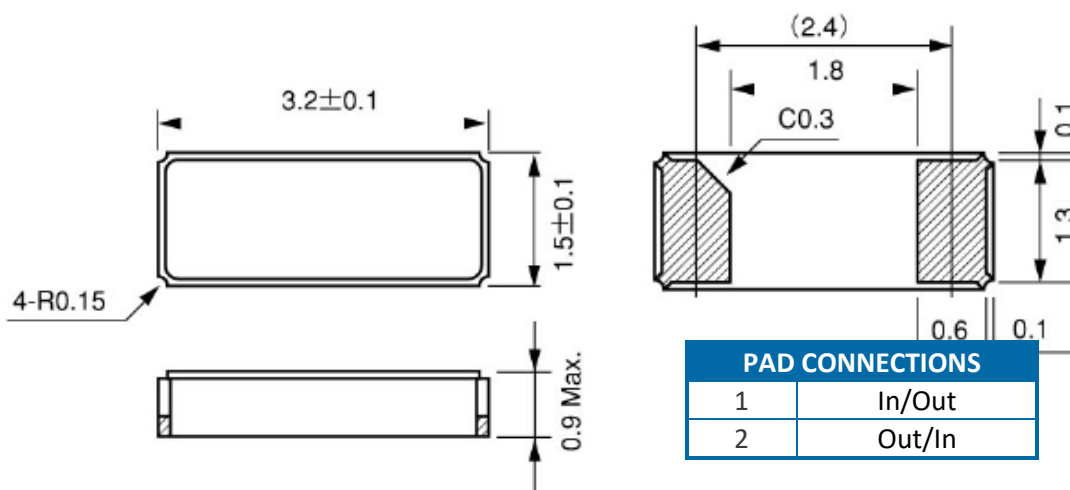


Figure 1) Top, Side, and Bottom views

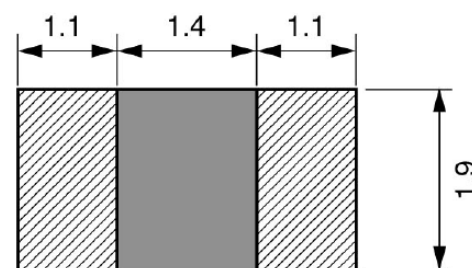
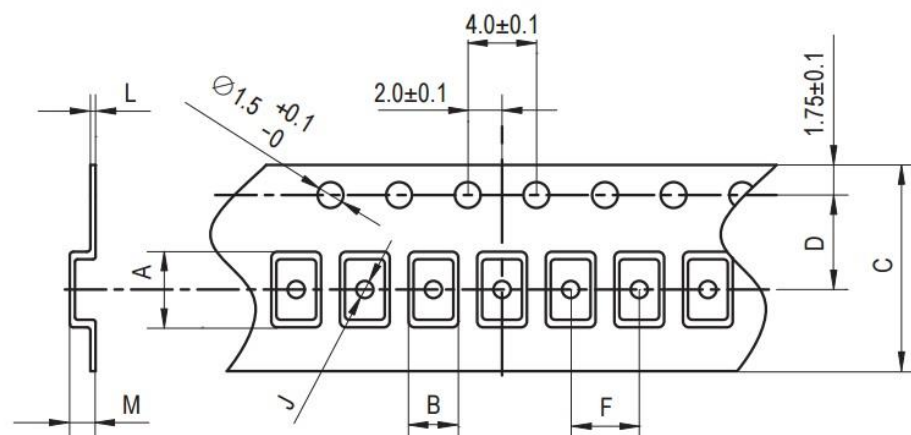


Figure 2) Suggested Land Pattern

Part Number: ECS-.327-CDX-1293

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

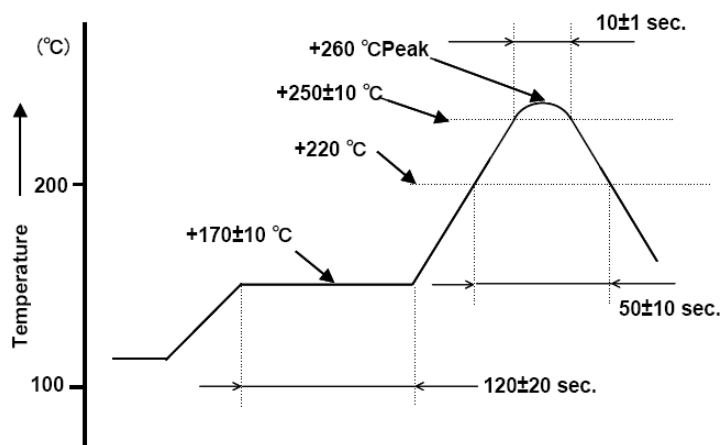


Figure 1) Suggested Reflow Profile

Mouser Electronics

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