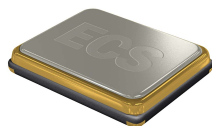


The ultra-miniature ECX-1048B is our smallest compact Crystal. The 1.2 x 1.0 x 0.35 mm ceramic package is ideal for today's SMD manufacturing environment.

ECX-1048B SMD CRYSTAL

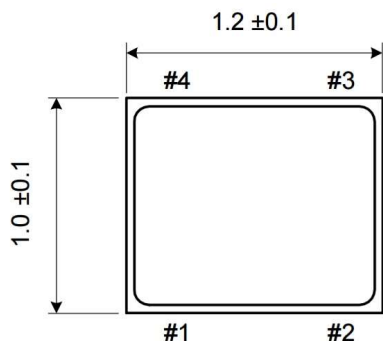
[Request a Sample](#)

ECX-1048B SMD CRYSTAL



- Low Profile
- 1.2 x 1.0 mm Footprint
- Extended Temp. Range
- RoHS Compliant
- IOT/Wearable Applications

DIMENSIONS (mm)



PAD CONNECTIONS	
1	In/Out
2	Gnd or N/C
3	Out/In
4	Gnd or NC

Figure 1) Top, Side, and Bottom views

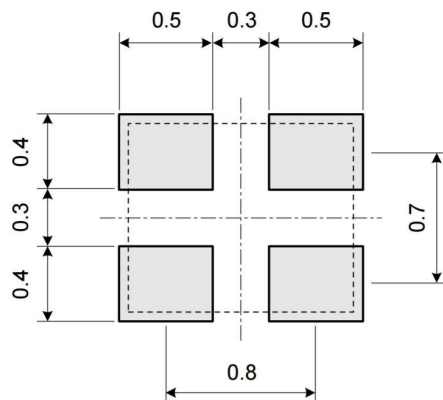
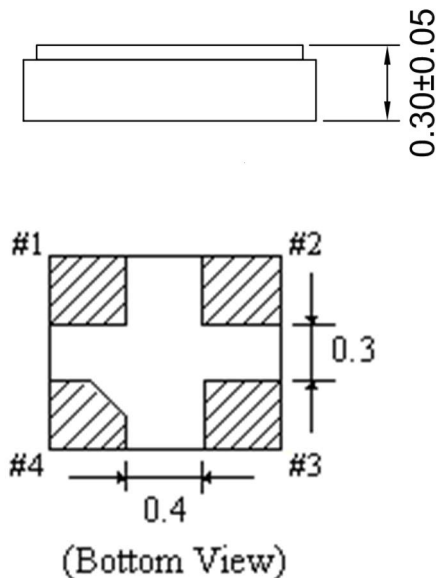


Figure 2) Suggested Land Pattern

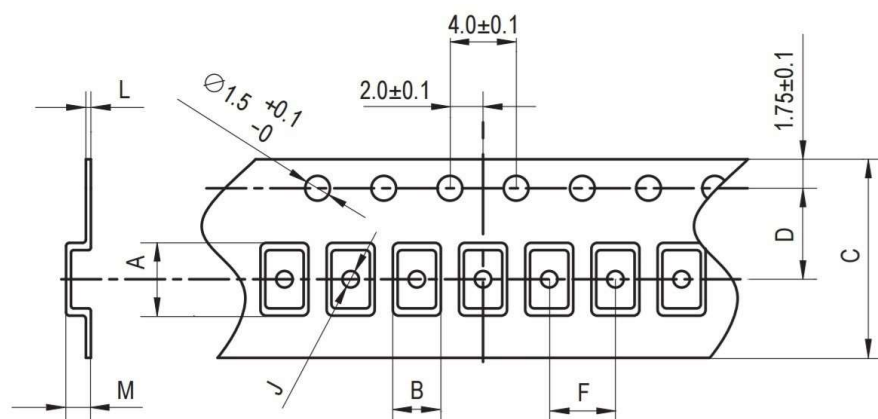
PART NUMBERING GUIDE: Example ECS-480-10-48B-CTN-TR

ECS - FREQUENCY ABBREVIATION		LOAD CAPACITANCE	PACKAGE	Tolerance	CUSTOM OPTIOND * Stability	Temp Range	PACKAGING
ECS	480 = 48.000 MHz See P/N Guide	10 = 10 pF * Other CL's available	-48B = ECX-1048B	A = ± 25 ppm J = ± 20 ppm R = ± 15 ppm C = ± 10 ppm	E = ± 50 ppm G = ± 30 ppm H = ± 25 ppm T = ± 20 ppm W = ± 15 ppm *K = ± 10 ppm	M = -20 ~ +70°C Y = -30 ~ +85°C N = -40 ~ +85°C	TR = 3K/Reel TR5 = 5K/Reel

*Contact ECS for availability

Rev.2024

POCKET TAPE DIMENSIONS (mm)



A	B	C	D	F	J	L	M	Reel Dia.
1.42	1.17	8.0	3.5	4.0	0.5	0.2	0.65	180

SOLDER PROFILE

Peak solder Temp $+260^{\circ}\text{C}$ Max 10 sec Max.

2 Cycles Max.

MSL 1, Lead Finish Au

STANDARD FREQUENCIES

Abbreviation	Frequency (MHZ)
320	32.000
480	48.000
520	52.000

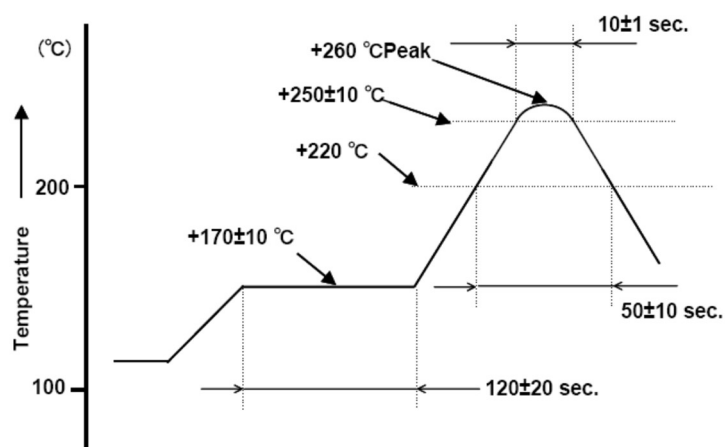


Figure 1) Suggested Reflow Profile

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ECS:](#)

[ECS-320-10-48B-CKY-TR](#) [ECS-320-8-48B-CKY-TR](#) [ECS-480-10-48B-CKY-TR](#) [ECS-320-7-48B-JTM-TR5](#) [ECS-384-8-48B-CKM-TR5](#)