

ECX-71 SMD CRYSTAL

ECS INC

The minature ECX-71 is a very compact SMD Tuning Fork Crystal. The 7 x 1.5 x 1.4 mm plastic package is ideal for today's SMD manufacturing environment.

Request a Sample

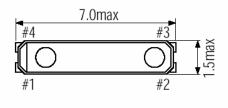
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



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

OT ENATING CONDITIONS / ELECTRICAL CHARACTERS							
CONDITIONS	ECX-71		UNITS				
	MIN TYP		MAX				
Fo		32.768		KHz			
@ +25°C			± 20	ppm			
Specify in P/N		12.5		pF			
DL		0.1	1.0	μW			
R1			65K	Ω			
	+20	+25	+30	°C			
	-0.025	-0.035	-0.045	ppm/°C²			
Co		0.8		pF			
@ +25°C ±3°C			±3	ppm			
Topr	-40		+85	°C			
Tstg	-55		+125	°C			
	Fo @ +25°C Specify in P/N DL R1 Co @ +25°C ±3°C Topr	CONDITIONS MIN FO @ +25°C Specify in P/N DL R1 +20 -0.025 Co @ +25°C ±3°C Topr -40	CONDITIONS ECX-71 MIN TYP Fo 32.768 @ +25°C	ECX-71 MIN TYP MAX Fo 32.768 @ +25°C ± 20 Specify in P/N 12.5 DL 0.1 1.0 R1 65K +20 +25 +30 -0.025 -0.035 -0.045 Co 0.8 @ +25°C ±3°C ±3 Topr -40 +85			

DIMENSIONS (mm)



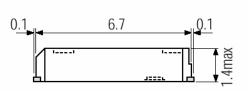
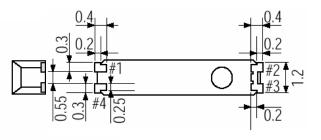
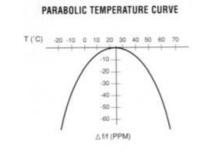


Figure 1) Top, Side, and Bottom views





PAD CONNECTIONS				
1	In/Out			
4	Out/In			



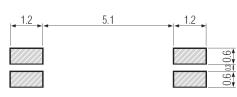


Figure 2) Suggested Land Pattern

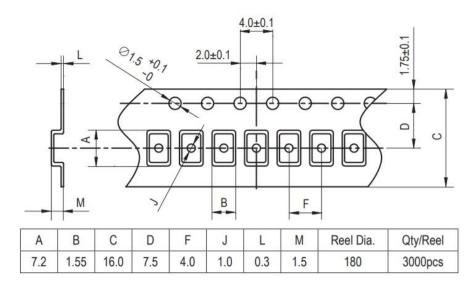
PART NUMBERING GUIDE: Example ECS-.327-12.5-38-TR

PART NOIVIDE	KING GOIDE.		2.3-36-11K	
ECS - FREQUENCY ABBREVIATION	LOAD CAPACITANCE	PACKAGE	PACKAGING	
ECS .327 = 32.768 KHz	12.5 = 12.5 pF 9 = 9 pF 7 = 7 pF 6 = 6 pF	-38 = ECX-71	TR = Tape & Reel 3K/Reel	





POCKET TAPE DIMENSIONS (mm)



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

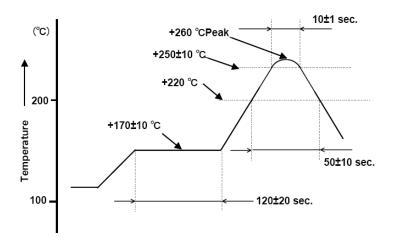


Figure 1) Suggested Reflow Profile