



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

ECS-.327-CDX-0746

SMD TUNING FORK CRYSTAL

The miniature ECS-.327-CDX-0746 is a very compact SMD Tuning Fork Crystal. The 4.1 x 1.5 x 0.9 mm ceramic package is ideal for today's SMD manufacturing environment.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECS-.327-CDX-0746			UNITS
		MIN	TYP	MAX	
Frequency	F ₀		32.768		KHz
Frequency Tolerance	@ +25°C			± 20	ppm
Load Capacitance			12.5		pF
Drive Level	D _L		0.1	1.0	µW
Equivalent Series Resistance	R ₁			70K	Ω
Turnover Temperature		+20	+25	+30	°C
Temperature Coefficient		-0.028	-0.034	-0.04	ppm/°C ²
Shunt Capacitance	C ₀		1.05		pF
First Year Aging	+25°C ±3°C			± 3	ppm
Operating Temperature	T _{opr}	-40		+85	°C
Storage Temperature	T _{stg}	-55		+125	°C
Insulation Resistance	@ 100V DC	500M			Ω

TOP, BOTTOM, SIDE VIEWS & LAND PATTERN

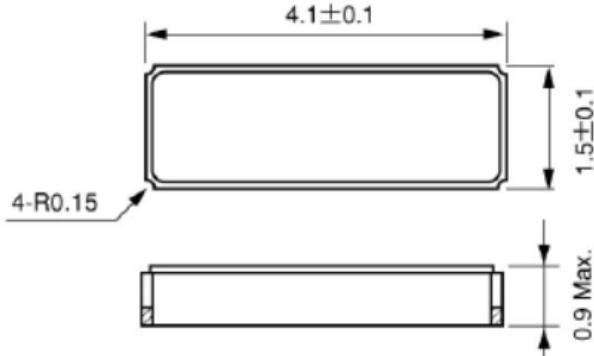


Figure 1) Top and Side View

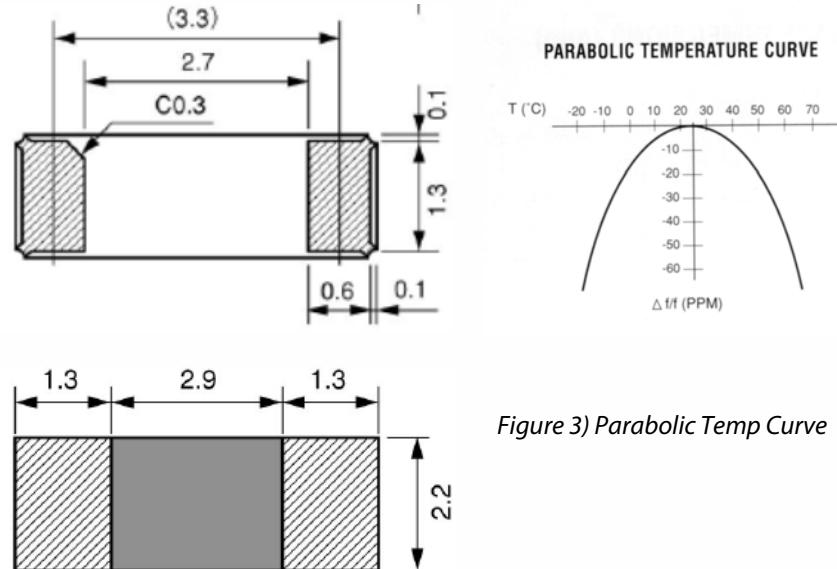


Figure 3) Parabolic Temp Curve

Figure 2) Bottom View and Suggested Land

PART NUMBER: ECS-.327-CDX-0746



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