



# ECS-2X6-FLX

## SMD TUNING FORK CRYSTAL

The ECS-2X6-FLX is pre-formed lead configured SMD Tuning Fork Crystal.

### OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECS-2X6-FLX			UNITS
		MIN	TYP	MAX	
Frequency	Fo		32.768		KHz
Frequency Tolerance @ +25°C	Optional ±10 ppm, See P/N Guide			± 20	ppm
Load Capacitance	Specify in P/N		12.5		pF
Drive Level	DL			1.0	μW
Equivalent Series Resistance	R1			50K	Ω
Turnover Temperature		+20	+25	+30	°C
Temperature Coefficient				-0.040	ppm/°C <sup>2</sup>
Shunt Capacitance	Co		1.35		pF
First Year Aging	+25°C ±3°C			± 5	ppm
Q Factor			70K		
Operating Temperature	Topr	-40		+85	°C
Storage Temperature	Tstg	-55		+125	°C
Insulation Resistance	@ 100V DC	500M			Ω

### TOP, BOTTOM, SIDE VIEWS & LAND PATTERN

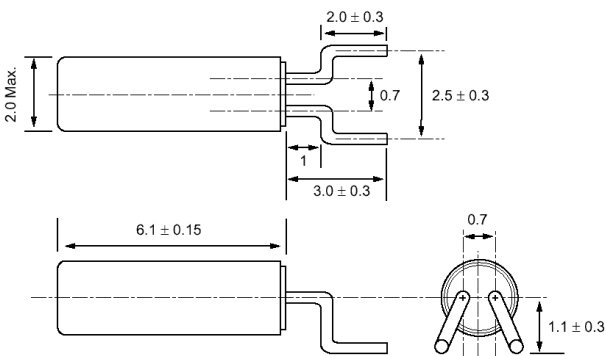


Figure 1) Top and Side View

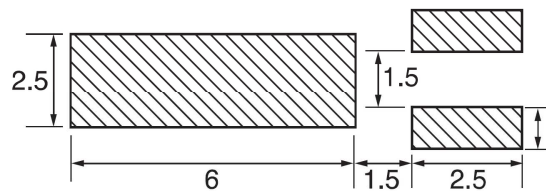


Figure 2) Suggested Land

### PART NUMBERING GUIDE: Example ECS-.327-12.5-13FLX-TR

ECS	- Frequency Abbreviation	- Load Capacitance	- Package Type	- Tolerance	- Packaging
	.327 = 32.768 KHz	12.5 = 12.5 pF 7 = 7 pF	-13FLX = ECS-2X6-FLX	Blank = ±20ppm C = ±10 ppm	-TR = Tape & Reel