- RoHS Compliant
- MSL 1
- Lead Finish Sn/Cu

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	F_O		32.768		KHz
Frequency Tolerance @ +25℃	Optional ±10 ppm, See P/N Guide			± 20	ppm
Load Capacitance	Specify in P/N		12.5		pF
Drive Level	D_L			1.0	µW
Equivalent Series Resistance	R_1			50K	Ω
Turnover Temperature		+20	+25	+30	℃
Temperature Coefficient				-0.040	ppm/℃²
Shunt Capacitance	C_o		1.35		pF
First Year Aging	+25℃ ±3℃			± 5	ppm
Q Factor			70K		
Operating Temperature	T_{opr}	-40		+85	℃
Storage Temperature	Tstg	-55		+125	℃
Insulation Resistance	@ 100V DC	500M			Ω

TOP, BOTTOM, SIDE VIEWS & LAND PATTERN

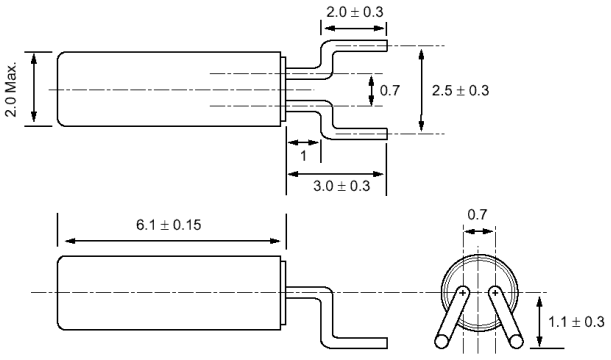

Figure 1) Top and Side View

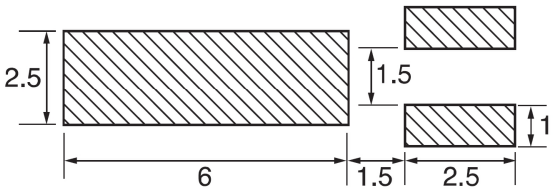

Figure 2) Suggested Land

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

1105 South Ridgeview Road • Olathe, KS 66062 • Phone: 913.782.7787 • Fax: 913.782.6991 • www.ecsxtal.com