

WATCH CRYSTAL

Plastic Surface Mount Tuning Fork *ECPSM310T* Series



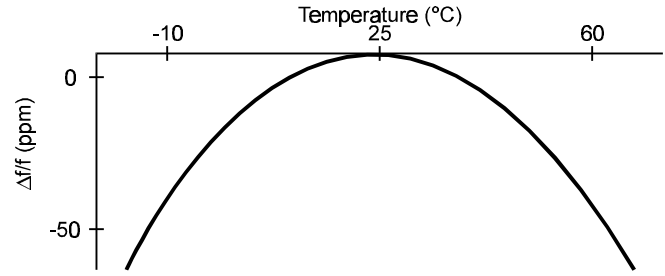
PART NUMBERING GUIDE

ECPSM310T 1 - 32.768K TR

LOAD CAPACITANCE
Blank=12.5pF
1=6pF

PACKAGING OPTIONS
Blank=Bulk, TR=Tape and Reel (pg. L1)

PARABOLIC TEMPERATURE CURVE



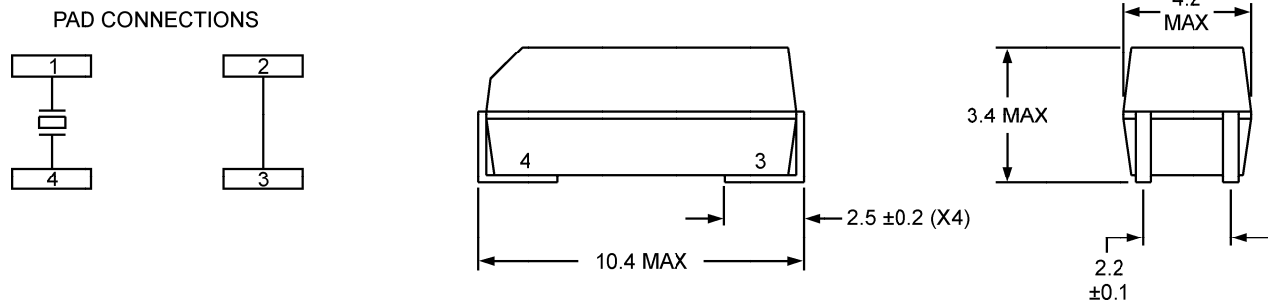
ELECTRICAL SPECIFICATIONS

Marking Specifications See pg. G2, Group E

Frequency	32.768kHz
Frequency Tolerance (at 25°C)	±20ppm
Frequency Stability	-0.042ppm / (Δ°C) ² Maximum, Parabolic; Turn Over Temperature at 25°C ±5°C
Operating Temperature Range	-40°C to 85°C
Aging (at 25°C)	±3ppm / year Maximum
Storage Temperature Range	-55°C to 125°C
Shunt Capacitance	0.85pF Typical, 2pF Maximum
Motional Capacitance	2.0fF Typical
Equivalent Series Resistance	60,000 Ohms Maximum
Insulation Resistance	500 Megaohms Minimum at 100V _{DC}
Drive Level	1 μWatt Maximum
Load Capacitance (C _L)	12.5pF or 6pF

MECHANICAL DIMENSIONS

There Are No Environmental / Mechanical Specifications For This Series



Dimensions in mm

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Specifications subject to change without notice. • Contact factory for latest revision • 1/99 • (CR15)