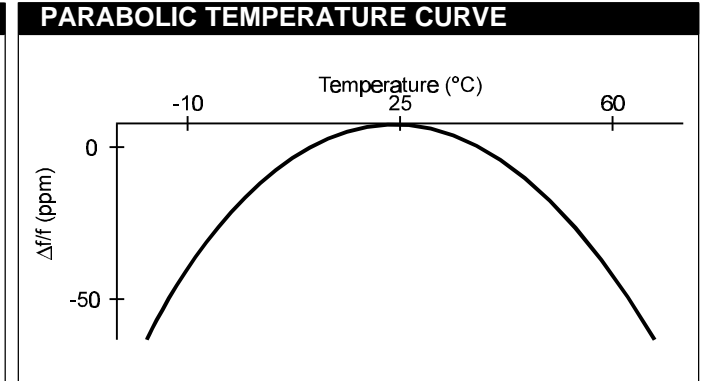


WATCH CRYSTAL

Plastic Surface Mount Tuning Fork *ECPSM29T* Series



PART NUMBERING GUIDE	
ECPSM29T - 32.768K TR	
PACKAGING OPTIONS Blank=Bulk, TR=Tape and Reel (pg. L1)	



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	-10°C to 60°C		
Aging (at 25°C)	±3ppm / year Maximum		
Storage Temperature Range	-40°C to 85°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		

