

WATCH CRYSTAL

Tuning Fork *EC26T* and *EC38T* Series



PART NUMBERING GUIDE

<p>EC 38 T</p> <p>PACKAGE _____ 3.1mm x 8.28mm Cylindrical Metal Can</p> <p>TUNING FORK _____</p>	<p>EC 26 T 1</p> <p>PACKAGE _____ 2.1mm x 6.3mm Cylindrical Metal Can</p> <p>TUNING FORK _____</p> <p>LOAD CAPACITANCE Blank=6.0pF 1=12.5pF</p>
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ELECTRICAL SPECIFICATIONS

Marking Specifications See pg. G1, Group B

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	-20°C to 70°C	
Shunt Capacitance	0.85pF Typical, 2pF Maximum	
Motional Capacitance	2.0fF Typical	
Drive Level	1 μWatt Maximum	
Equivalent Series Resistance	EC38T Series	50,000 Ohms Maximum
	EC26T Series	50,000 Ohms Maximum
Insulation Resistance	EC38T Series	500 Megaohms Minimum at 100V _{DC}
	EC26T Series	100 Megaohms Minimum at 100V _{DC}
Load Capacitance (C _L)	EC38T Series	12.5pF
	EC26T Series	6.0pF or 12.5pF

MECHANICAL DIMENSIONS

There Are No Environmental / Mechanical Specifications For This Series

EC38T		
EC26T		
Dimensions in mm		

3545 Cadillac Avenue, Costa Mesa, CA., 92626-1401 • Phone: (714) 433-1200 • Fax: (714) 433-1234

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Email: sales@ecliptek.com • Internet: <http://www.ecliptek.com>

Specifications subject to change without notice. • Contact factory for latest revision • 1/99 • (CR07)(CR17)