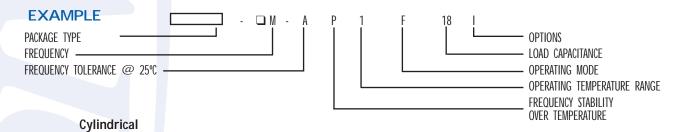
## Quartz

Thru Hole ADX Series



Package Type	ADXUM1 (UM-1) ADX49 (HC49/U)	pg19 pg19	ADXUM5 (UM-5) ADX49S (HC49/S)	pg19 pg20				
Frequency	MHz	M	KHz	K				
Frequency Tolerance @ 25°C	±100ppm ±50ppm ±45ppm	A B C	±40ppm ±35ppm ±30ppm	D E F	±25ppm ±20ppm ±15ppm	G H I	±10ppm ±5ppm	J K
Frequency Stability Over Temperature	±100 ppm ±50 ppm ±45 ppm	P Q R	$\pm$ 40 ppm $\pm$ 35 ppm $\pm$ 30 ppm	S T U	$\pm$ 25 ppm $\pm$ 20 ppm $\pm$ 15 ppm	V W X	±10 ppm ±5 ppm	Y Z
Operating Temperature Range	$0^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ $-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$	1 2	$-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ $-40^{\circ}\text{C}$ to $+75^{\circ}\text{C}$	3 4	-40°C to +85°C -40°C to +90°C	5 6	$0^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$	7 8
Operating Mode	Fundamental 3rd Overtone	F 3	5th Overtone 7th Overtone	5 7	9th Overtone	9		
Load Capacitance	6 pF 6 10 pF 10 12 pF 12		18 pF 18 20 pF 20 22 pF 22		30 pF 30 32 pF 32 50 pF 50		Series S	
Options	Third Lead	L	Insulator Tab	I	Tape & Reel	T	Vinyl Sleeving	V



Package Type	ADX26T	pg21	ADX38T	pg22	ADX310	pg23
Frequency	MHz	M	KHz	K		
Frequency Tolerance @ 25°C	±100ppm ±50ppm ±45ppm ±40ppm	A B C D	±35ppm ±30ppm ±25ppm ±20ppm	E F G H	±15ppm ±10ppm ±5ppm	I J K
Load Capacitance	6 pF	6	7 pF	7	12.5 pF	12.5
Options	Bulk	Blank	Insulator Tab		Tape & Reel	Ţ

<b>EXAMPLE</b>		Н	12.5	T - 🗆 K	
PACKAGE TYPE	0°				- FREQUENCY
FREQUENCY TOLERANCE @ 23	· · ·				<ul><li>OPTIONS</li><li>LOAD CAPACITANCE</li></ul>

### Quartz

Thru Hole

ADX38T

ADX38T Series

# ADIVA Technology, Inc.

#### **FEATURES**

- Because of their excellent shock resistance and low power consumption, the units are ideal for portable equipment.
  - Applications: AV equipment, OA equipment, measuring instruments and various types of clocks.
- Features superior characteristics indigenous to turning fork-type quartz crystal units.

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**STANDARD SPECIFICATIONS** 

Package Type		ADX38T
Frequency Tolerance	△ <b>f/F</b>	$\pm 20$ ppm
Load Capacitance	CL	12.5 pF Typical
Equivalent Series Resistance	Rs	30 kΩ max.
Oscillation Frequency	F	32.768 KHz
Quality Factor	Q	90.000 Typical
Shunt Capacitance	Со	1.6 pF
Shock Resistance	△ <b>f/F</b>	±5 ppm
Turnover Temperature	Tt	+25℃ ±5℃
Temperature Coefficient	β	-0.035 $\pm$ 0.034 ppm / °C2
Capacitance Ratio	γ	460, Typical
Drive Level	Р	1 µW max.
Aging (for first year)	△ <b>f/F</b>	±3 ppm max.
Insulation Resistance	IR	500 MΩ min./DC 100V
Operating Temperature Range	To	-10°C ~ +60°C

