

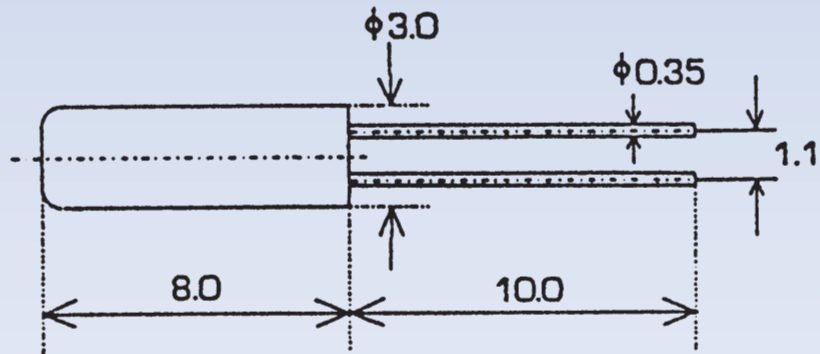
ADX38T



FEATURES

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

UNIT DIMENSION (unit: mm)



STANDARD SPECIFICATIONS

Package Type		ADX38T
Frequency Tolerance	# f/F	±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	Co	1.6 pF
Shock Resistance	# f/F	±5 ppm
Turnover Temperature	Tt	+25°C ±5°C
Temperature Coefficient	β	-0.035 ±0.034 ppm / °C ²
Capacitance Ratio	γ	460, Typical
Drive Level	P	1 μW max.
Aging (for first year)	# f/F	±3 ppm max.
Insulation Resistance	IR	500 MΩ min./DC 100V
Operating Temperature Range	To	-10°C ~ +60°C

Quartz Part Numbering Guide

Thru Hole

ADX Series

OSC

VCXO
VCOTCXO
VCTCXO

FLTR

RES

IND

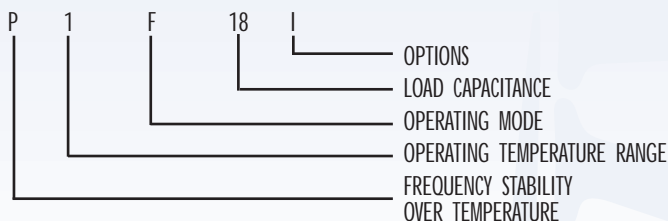
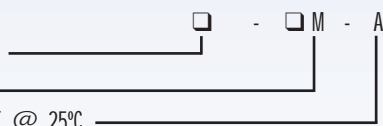
Package Type	UM-1	ADXUM1	pg34	HC42/U	ADX42	pg34	HC49/U	ADX49	pg34	HC49/T	ADX49T	pg36
	UM-2	ADXUM2	pg34	HC43/U	ADX43	pg34	HC49/S	ADX49S	pg35	HC50/U	ADX50	pg36
	UM-5	ADXUM5	pg34	HC47/U	ADX47	pg34	HC49/SS	ADX49SS	pg36	HC50/T	ADX50T	pg36
	HC36/U	ADX36	pg34	HC48/U	ADX48	pg34	HC49/SS	ADX49SS1	pg36			
Frequency	MHz		M	KHz		K						
Frequency Tolerance @ 25°C	±100ppm		A	±40ppm		D	±25ppm		G	±10ppm		J
	±50ppm		B	±35ppm		E	±20ppm		H	±5ppm		K
	±45ppm		C	±30ppm		F	±15ppm		I			
Frequency Stability Over Temperature	±100 ppm		P	±40 ppm		S	±25 ppm		V	±10 ppm		Y
	±50 ppm		Q	±35 ppm		T	±20 ppm		W	±5 ppm		Z
	±45 ppm		R	±30 ppm		U	±15 ppm		X			
Operating Temperature Range	0°C to +70°C		1	-20°C to +70°C		3	-40°C to +85°C		5	0°C to +55°C		7
	-10°C to +60°C		2	-40°C to +75°C		4	-40°C to +90°C		6	-40°C to +125°C		8
Operating Mode	Fundamental		F	5th Overtone		5	9th Overtone		9			
	3rd Overtone		3	7th Overtone		7						
Load Capacitance	6 pF	6	18 pF		18	30 pF	30	Series		S		
	10 pF	10	20 pF		20	32 pF	32					
	12 pF	12	22 pF		22	50 pF	50					
Options	Third Lead		L	Insulator Tab		I	Tape & Reel		T	Vinyl Sleeving		V

EXAMPLE

PACKAGE TYPE _____

FREQUENCY _____

FREQUENCY TOLERANCE @ 25°C _____



Package Type	ADX26T	pg37	ADX309		pg39	
	ADX38T	pg38	ADX310		pg39	
Frequency	MHz		M	KHz		K
Frequency Tolerance @ 25 C	±100ppm		A	±35ppm		E
	±50ppm		B	±30ppm		F
	±45ppm		C	±25ppm		G
	±40ppm		D	±20ppm		H
Load Capacitance	6pF	6	7pF	7	12.5pF 12.5	
Option	Bulk	Blank	Tape & Reel	T		

PACKAGE TYPE _____

FREQUENCY _____

H 12.5

_____ OPTION

_____ LOAD CAPACITANCE

_____ FREQUENCY TOLERANCE @ 25 C