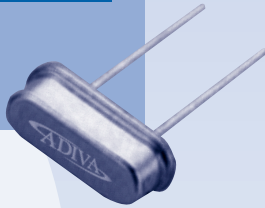


ADX49SS & ADX49SSI

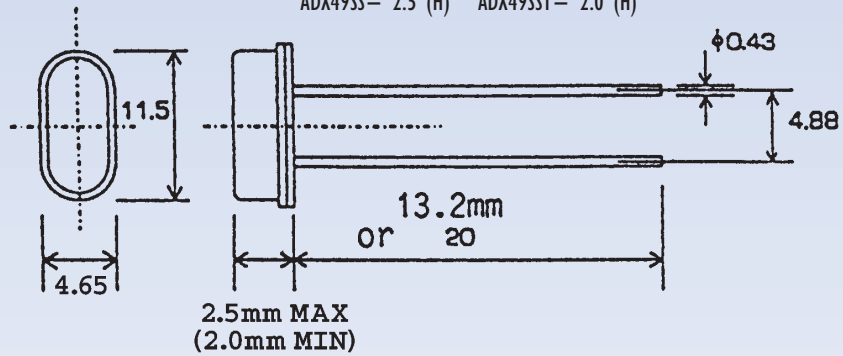


FEATURES

- The ADX-49SS & ADX-49SSI is a high-performance miniature crystal unit manufactured with ultrahigh-precision processing technology.
- Excellent vibration resistance, shock resistance and environmental characteristics.
- Applications: AV equipment, OA equipment, communication equipment and measuring instruments.

UNIT DIMENSION (unit: mm)

ADX49SS= 2.5 (H) ADX49SSI= 2.0 (H)



STANDARD SPECIFICATIONS

Package Type		ADX49SS and ADX49SSI
Frequency Range (Fundamental)		3.200 ~ 30.000 MHz
Frequency Range (3rd Overtone)		30.000 ~ 60.000 MHz
Frequency Tolerance		±20 ppm, ±30 ppm, ±50 ppm at 25°C
Load Capacitance	C	Series, 6 pF, 12 pF, 20 pF (Special request available)
Shunt Capacitance	Co	7.0 pF max. (Special request available)
Drive Level	P	15 μW, 30 μW, 100 μW, 500 μW (Special request available)
Aging	# f/F	±3 ppm, ±5 ppm/year

FREQUENCY STABILITY v OPERATING TEMP.

OPERATING TEMPERATURE	FREQUENCY STABILITY (± ppm)			
	10	20	30	50
Range				
0 ~ 50°C	*	*	*	*
-10 ~ 60°C	*	*	*	*
-20 ~ 70°C		*	*	*

*Denotes Availability (Reference to 25°C)

EQUIVALENT SERIES RESISTANCE (E.S.R.)

Frequency (MHz)	Vibration Code	E.S.R. max.
3.2 ~ 3.9	Fundamental	180Ω
4.0 ~ 4.9	Fundamental	150 Ω
5.0 ~ 5.9	Fundamental	120 Ω
6.0 ~ 7.9	Fundamental	100 Ω
8.0 ~ 9.9	Fundamental	80 Ω
10.0 ~ 11.9	Fundamental	70 Ω
12.0 ~ 19.9	Fundamental	60 Ω
20.0 ~ 29.9	Fundamental	50 Ω
30.0 ~ 39.9	3rd Overtone	100 Ω
40.0 ~ 60.0	3rd Overtone	80 Ω

Quartz Part Numbering Guide

Thru Hole

ADX Series

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND

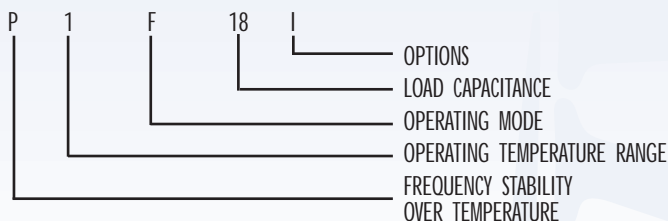
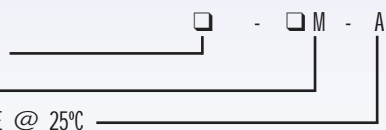
Package Type	UM-1 UM-2 UM-5 HC36/U	ADXUM1 ADXUM2 ADXUM5 ADX36	pg34 pg34 pg34 pg34	HC42/U HC43/U HC47/U HC48/U	ADX42 ADX43 ADX47 ADX48	pg34 pg34 pg34 pg34	HC49/U HC49/S HC49/SS HC49/SS	ADX49 ADX49S ADX49SS ADX49SS1	pg34 pg35 pg36 pg36	HC49/T HC50/U HC50/T	ADX49T ADX50 ADX50T	pg36 pg36 pg36
Frequency	MHz		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	±40 ppm ±35 ppm ±30 ppm		S T U	±25 ppm ±20 ppm ±15 ppm		V W X	±10 ppm ±5 ppm		Y Z
Operating Temperature Range	0°C to +70°C -10°C to +60°C		1 2	-20°C to +70°C -40°C to +75°C		3 4	-40°C to +85°C -40°C to +90°C		5 6	0°C to +55°C -40°C to +125°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

EXAMPLE

PACKAGE TYPE _____

FREQUENCY _____

FREQUENCY TOLERANCE @ 25°C _____



Package Type	ADX26T ADX38T	pg37 pg38		ADX309 ADX310	pg39 pg39	
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
Load Capacitance	6pF	6		7pF	7	12.5pF 12.5
Option	Bulk	Blank		Tape & Reel	T	

PACKAGE TYPE _____

FREQUENCY _____

