

# HC/49US (AT49) LOW PROFILE SURFACE MOUNT MICROPROCESSOR CRYSTAL

ABLS2



11.5 x 4.8 x 3.3 mm



## FEATURES:

- Suitable for reflow
- Low in height - suitable for thin equipment
- Tight stability & extended temperature

## APPLICATIONS:

- Computers, Modems, Microprocessors
- Automotive and Industrial
- Wireless Applications

## STANDARD SPECIFICATIONS:

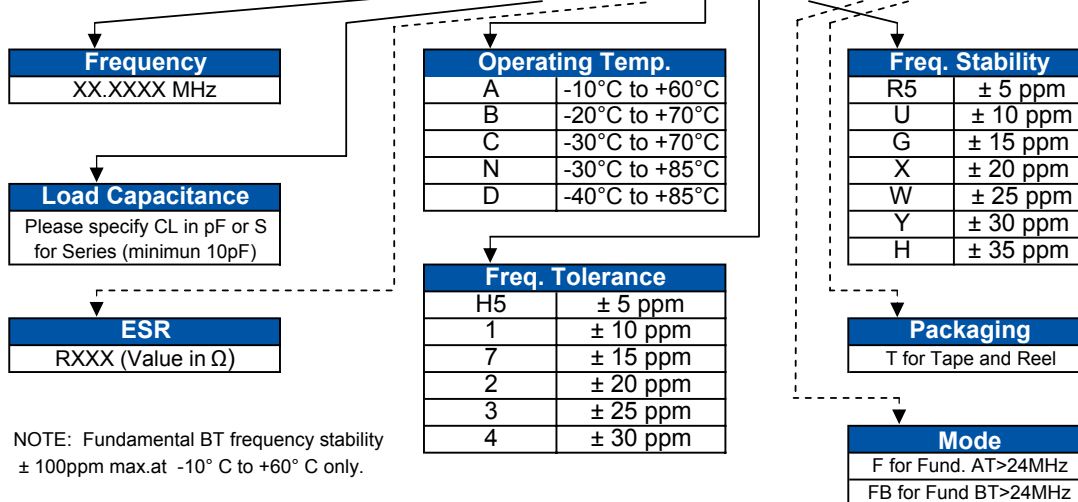
### PARAMETERS

ABRACON P/N	ABLS2 Series
Frequency	3.579545 MHz to 70 MHz
Operation Mode	AT strip (see options) 3.579545 MHz - 24.0 MHz (Fundamental) 24.01 - 50.00 MHz (Fund. AT or BT) 24.01 - 70.00 MHz (3rd - Overtone)
Operating Temperature	-0°C to + 70°C (see options)
Storage Temperature	- 55°C to + 125°C
Frequency Tolerance	± 50 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25°C)	± 50 ppm max. (see options)
Equivalent Series Resistance	See Table 1
Shunt Capacitance C <sub>0</sub>	7pF max.
Load Capacitance C <sub>L</sub>	18pF (see options)
Drive Level	1 mW max., 100µW typical
Aging at 25°C Per Year	± 5ppm max.
Insulation Resistance	500 MΩ min at 100Vdc ± 15V

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ABLS2 - Frequency -  - R -  -  -  -  -  -



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ABLS2



**RoHS**  
Compliant



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TABLE 1: ESR

FREQUENCY (MHz)	ESR ( $\Omega$ )
3.579 - 4.999 (Fund.)	180
5.000 - 5.999 (Fund.)	120
6.000 - 7.999 (Fund.)	100
8.000 - 8.999 (Fund.)	80
9.000 - 9.999 (Fund.)	60
10.000 - 15.999 (Fund.)	50
16.000 - 50.000 (Fund.)	40
24.01 - 31.999 (3rd O/T)	100
32.000 - 70.00 (3rd O/T)	80

## OUTLINE DRAWING:

