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

ABLS2





> FEATURES:

- Suitable for reflow
- Low height reduced to 3.3mm
- Suitable for thin equipment
- Tight stability & extended temperature

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

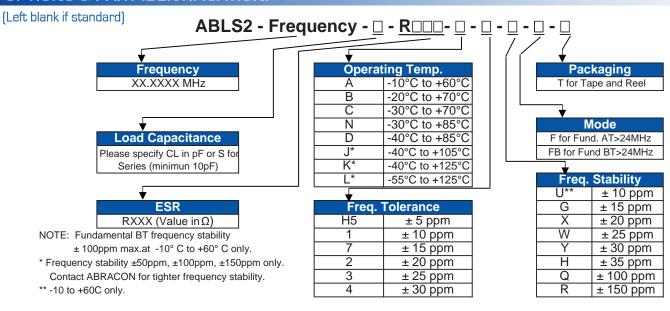
PARAMETERS		
ABRACON P/N	ABLS2 Series	
Frequency	3.579545 MHz to 75 MHz	
Operation Mode	AT cut (Fundamental or 3rd OT) or BT cut (See options) 3.579545MHz - 24.0MHz (Fundamental) (Standard) 24.01 - 75.00MHz (3rd- Overtone) (Standard) 24.01MHz - 50.00MHz (Fund. AT or BT) (See options)	
Operating Temperature	0°C to + 70°C (see options)	
Storage Temperature	- 55°C to + 125°C	
Frequency Tolerance at +25°C	± 50 ppm max. (see options)	
Frequency Stability over the Op erating Temp. (Ref to +25°C)	± 50 ppm max. (see options)	
Equivalent Series Resistance	See Table 1	
Shunt Capacitance Co	7pF max.	
Load Capacitance CL	18pF (see options)	
Drive Level	1 mW max., 100μW typical	
Aging at 25°C ± 3°C Per Year	± 5ppm max.	
Insulation Resistance	500 M Ω min at 100Vdc ± 15V	
Drive level dependency (DLD)	from 1µW to 500µW (minimum 7 points tested)	

TABLE 1: ESR

FREQUENCY (MHz)	ESR (?)	
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 - 75.00 (3rd O/T)	80	

- Change in frequency (Maximum Minimum) over DLD range < ±10ppm
- Change in ESR (Maximum Minimum) over DLD range < 25% of Max ESR value
- Maximum ESR over DLD range < Max ESR value

OPTIONS & PART IDENTIFICATION:







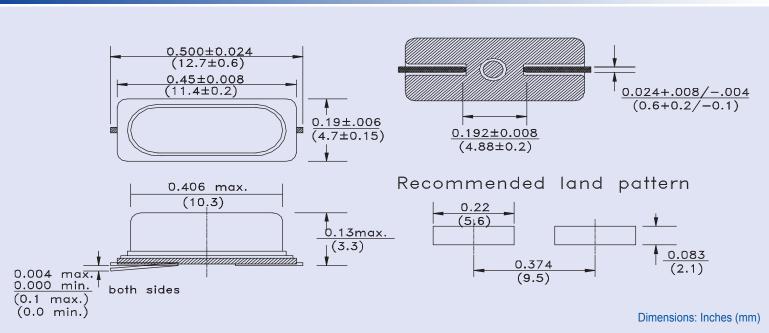
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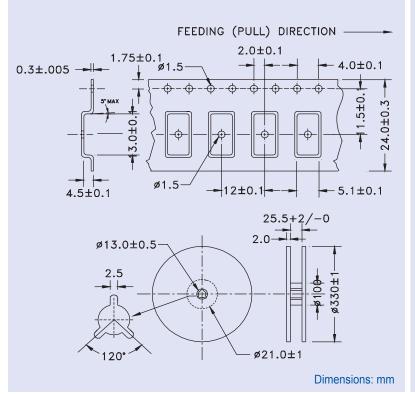


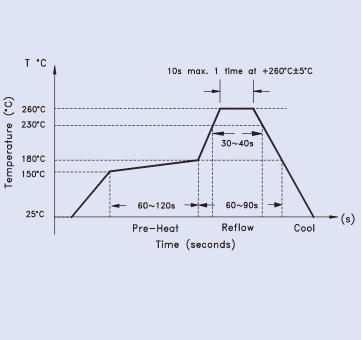
OUTLINE DRAWING:



TAPE & REEL:

REFLOW PROFILE:





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