HIGH FREQUENCY CYLINDRICAL TYPE MICROPROCESSOR CRYSTAL

AB308



8.8 x Ø3.2

FEATURES:

• High stability by tight vacuum sealing

STANDARD SPECIFICATIONS:

AB308

• Miniature high frequency cylinder type crystal

> APPLICATIONS:

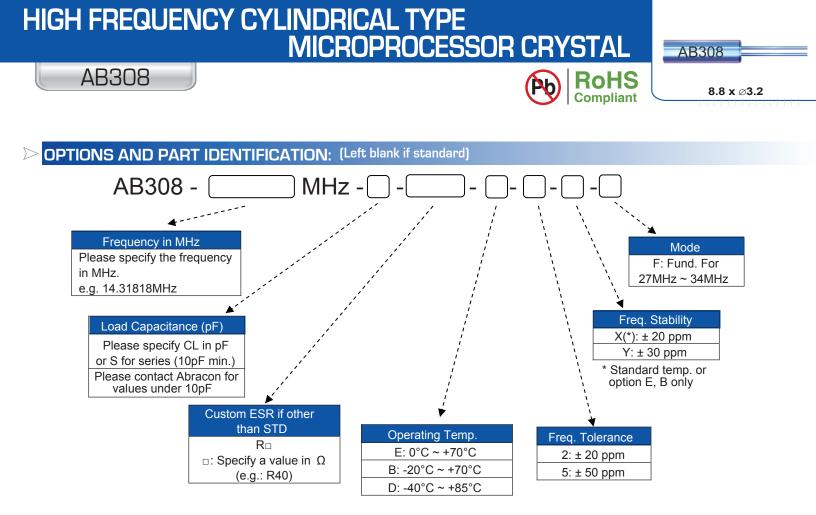
- Suitable for wide range of application
- Clocks for microprocessor
- Consumer electronics
- Test equipment
- Computer peripherals

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	4.001		26.999		Fundamental (std.)
	27.000		70.000	MHz	3 rd Overtone (std.)
	27.000		34.000		Fundamental (see options)
Operation Mode	Fundamental or 3 rd Overtone				
Operating Temperature	-10		+60	°C	See options
Storage Temperature	-40		+85	°C	
Frequency Tolerance @+25°C			±30	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)			±50	ppm	See options
Equivalent series resistance (R1)	See table 1 below		Ω		
Shunt capacitance (C0)			5	pF	
Load capacitance (CL)	16 std.		pF	See options	
Drive Level			100	μW	
Aging@25°C±3°C			±5	ppm	First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

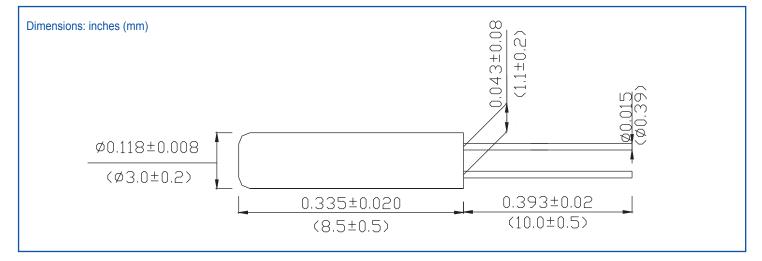
Table 1 – standard ESR

Frequency (MHz)	$ESR(\Omega)$ max.	Operation Mode
4.001 - 5.999	150	Fundamental
6.000 - 9.999	100	Fundamental
10.000 - 26.999	50	Fundamental
27.000 - 34.000	50	Fundamental
27.000 - 36.000	100	3 rd Overtone
36.001 - 70.000	80	3 rd Overtone





OUTLINE DRAWING:



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