



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HIGH FREQUENCY CYLINDRICAL TYPE MICROPROCESSOR CRYSTAL

AB308



RoHS/RoHS II Compliant

AB308

8.0 x Ø3.0mm

FEATURES:

- High stability by tight vacuum sealing
- Miniature high frequency cylinder type crystal

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range*	4.000		40.000	MHz	Fundamental
	40.001		70.000		3 rd Overtone
Operation Mode	Fundamental or 3 rd Overtone				
Operating Temperature	-10		+60	°C	See options
Storage Temperature	-40		+85	°C	
Frequency Tolerance @+25°C	-30		+30	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50		+50	ppm	
Equivalent series resistance (R1)			150	Ω	4.000 – 5.999MHz Fundamental
			80		6.000 – 9.999MHz Fundamental
			60		10.000 – 10.999MHz Fundamental
			50		11.000 – 19.999 MHz Fundamental
			40		20.000 –29.999 MHz Fundamental
			30		30.000 –40.000 MHz Fundamental
			80		40.001 – 70.000 MHz 3 rd OT
Shunt capacitance (C0)			5	pF	
Load capacitance (CL)	16			pF	See options
Drive Level			100	μW	
Aging@25°C±3°C	-5		+5	ppm	First year
Insulation Resistance	500			M Ω	@ 100Vdc ± 15V

* Please contact Abracon for the availability of frequency>30MHz.

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OPTIONS AND PART IDENTIFICATION: (Left blank if standard)

AB308 - MHz - - - -

Frequency in MHz
Please specify the frequency in MHz.
e.g. 14.31818MHz

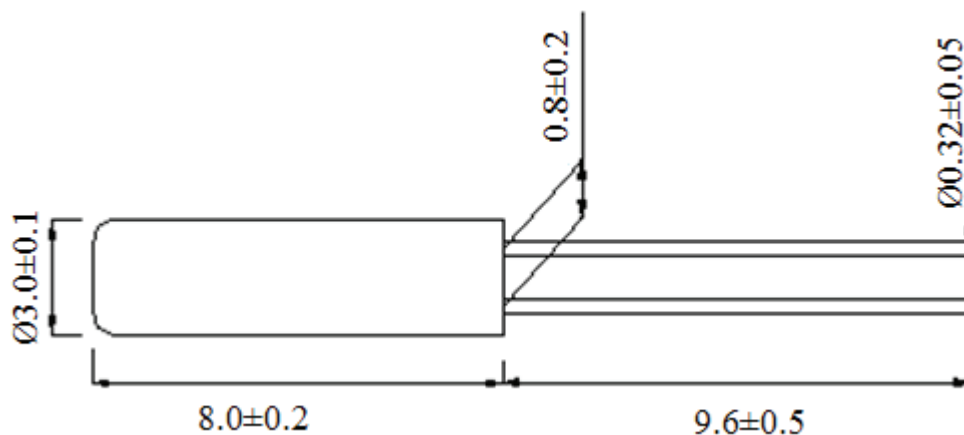
Load Capacitance (pF)
Please specify CL in pF or S for series (10pF min.)
Please contact Abracon for values under 10pF

Freq. Tolerance
Blank: ± 30 ppm
5: ± 50 ppm

Operating Temp.
Blank: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
E: $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Custom ESR if other than STD
R□
□: Specify a value in Ω
(e.g.: R40)

OUTLINE DRAWING:



Dimensions: mm

Packaging = Bulk, 1000pcs/bag

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO9001:2008
CERTIFIED

 **ABRACON**[®] LLC
The Power of Linking Together

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