

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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







## come visit our site http://www.txccrystal.com Seam Sealing Crystals 5.0 x 3.2 x 0.9 mm AB Series

## **Features**

Think of Frequency Think of

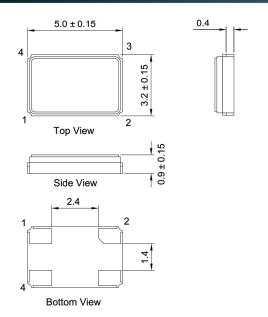
- · Reliable seam sealed ceramic package.
- · Wide operating termperature range.
- · Superior and reliable performance in harsh environment.
- · Application: TPMS, ECM, ABS and sensor modules.
- · RoHS Compliant / Pb Free.

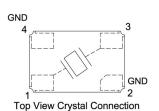


| Electrical Specifications      |                                 |
|--------------------------------|---------------------------------|
| Item / Type                    | AB                              |
| Frequency Range                | 9.5 ~ 40 MHz                    |
| Overtone                       | Fundamental                     |
| Frequency Tolerance (at 25 °C) | ± 30 ppm                        |
| Frequency Stability            | ± 50 ppm Max. (-40 ~ +85 °C)    |
| Operating Temperature Range    | - 40 ~ +125 ℃                   |
| Drive Level                    | 10 μW (typical) ; 300 μW (Max.) |
| Load Capacitance               | 12 pF, or specify               |
| Storage Temperature Range      | - 40 ~ +125 ℃                   |
| Reliability Standard           | AEC-Q200 VER.C                  |

| Equivalent Series Resistance(ESR) |              |            |
|-----------------------------------|--------------|------------|
| Fundamental                       |              |            |
|                                   | 9.5 ~ 10 MHz | 150 Ω Max. |
|                                   | 10 ~ 12 MHz  | 100 Ω Max. |
|                                   | 12 ~ 20 MHz  | 80 Ω Max.  |
|                                   | 20 ~ 40 MHz  | 60 Ω Max.  |

## **Dimensions**





1.7 2.0 2.0

Top View Suggested Layout