

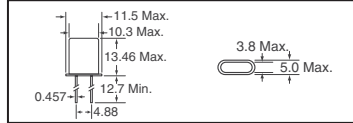


**Crystals**

**AB Series HC49U Crystals**

**Specifications:**

- Frequency Stability: ±100ppm, -20°C ~ 70°C
- Frequency Tolerance: ±20ppm
- Operating Temperature: -20°C ~ 70°C
- Load Capacitance: 18.0pF

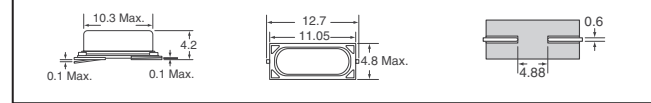


Frequency (MHz)	Digi-Key Part No.	1	10	50	100	Abracon Part No.
2.000000	535-9016-ND	1.09	.93	.86	.78	AB-2.000MHZ-B2
3.579545	535-9019-ND	.33	.28	.26	.24	AB-3.579545MHZ-B2
3.686400	535-9020-ND	.33	.28	.26	.24	AB-3.6864MHZ-B2
4.915200	535-9023-ND	.33	.28	.26	.24	AB-4.9152MHZ-B2
5.000000	535-9025-ND	.33	.28	.26	.24	AB-5.000MHZ-B2
6.000000	535-9026-ND	.33	.28	.26	.24	AB-6.000MHZ-B2
7.372800	535-9027-ND	.33	.28	.26	.24	AB-7.3728MHZ-B2
8.000000	535-9028-ND	.33	.28	.26	.24	AB-8.000MHZ-B2
8.192000	535-9029-ND	.33	.28	.26	.24	AB-8.192MHZ-B2
9.830400	535-9030-ND	.33	.28	.26	.24	AB-9.8304MHZ-B2
10.000000	535-9000-ND	.33	.28	.26	.24	AB-10.000MHZ-B2
11.059200	535-9001-ND	.33	.28	.26	.24	AB-11.0592MHZ-B2
12.000000	535-9002-ND	.33	.28	.26	.24	AB-12.000MHZ-B2
12.288000	535-9003-ND	.33	.28	.26	.24	AB-12.288MHZ-B2
14.318180	535-9004-ND	.33	.28	.26	.24	AB-14.31818MHZ-B2
14.745600	535-9005-ND	.33	.28	.26	.24	AB-14.7456MHZ-B2
16.000000	535-9006-ND	.33	.28	.26	.24	AB-16.000MHZ-B2
18.432000	535-9007-ND	.33	.28	.26	.24	AB-18.432MHZ-B2
19.660800	535-9008-ND	.33	.28	.26	.24	AB-19.6608MHZ-B2
20.000000	535-9010-ND	.33	.28	.26	.24	AB-20.000MHZ-B2
22.118400	535-9011-ND	.33	.28	.26	.24	AB-22.1184MHZ-B2
24.000000	535-9012-ND	.33	.28	.26	.24	AB-24.000MHZ-B2
24.576000	535-9013-ND	.33	.28	.26	.24	AB-24.576MHZ-B2F
27.000000	535-9015-ND	.33	.28	.26	.24	AB-27.000MHZ-B2F
32.000000	535-9017-ND	.33	.28	.26	.24	AB-32.000MHZ-B2
32.768000	535-9018-ND	.33	.28	.26	.24	AB-32.768MHZ-B2
48.000000	535-9021-ND	.68	.59	.54	.49	AB-48.000MHZ-B2
50.000000	535-9024-ND	.68	.59	.54	.49	AB-50.000MHZ-B2

**ABLS Series HC49US SMD Crystals**

**Specifications:**

- Frequency Stability: ±50ppm, -20°C ~ 70°C
- Frequency Tolerance: ±20ppm
- Operating Temperature: -40°C ~ 85°C
- Load Capacitance: 18.0pF



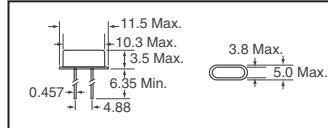
Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	Abracon Part No.	
		1	10	50	100			
3.579545	535-9081-1-ND	.43	.38	.33	.24	535-9081-2-ND	203.88	ABLS-3.579545MHZ-B2-T
3.686400	535-9082-1-ND	.43	.38	.33	.24	535-9082-2-ND	203.88	ABLS-3.6864MHZ-B2-T
4.000000	535-9085-1-ND	.43	.38	.33	.24	535-9085-2-ND	203.88	ABLS-4.000MHZ-B2-T
4.915200	535-9086-1-ND	.43	.38	.33	.24	535-9086-2-ND	203.88	ABLS-4.9152MHZ-B2-T
5.000000	535-9087-1-ND	.43	.38	.33	.24	535-9087-2-ND	203.88	ABLS-5.000MHZ-B2-T
7.372800	535-9088-1-ND	.43	.38	.33	.24	535-9088-2-ND	203.88	ABLS-7.3728MHZ-B2-T
8.000000	535-9089-1-ND	.43	.38	.33	.24	535-9089-2-ND	203.88	ABLS-8.000MHZ-B2-T
8.192000	535-9090-1-ND	.43	.38	.33	.24	535-9090-2-ND	203.88	ABLS-8.192MHZ-B2-T
10.000000	535-9065-1-ND	.43	.38	.33	.24	535-9065-2-ND	203.88	ABLS-10.000MHZ-B2-T
11.059200	535-9066-1-ND	.43	.38	.33	.24	535-9066-2-ND	203.88	ABLS-11.0592MHZ-B2-T
12.000000	535-9067-1-ND	.43	.38	.33	.24	535-9067-2-ND	203.88	ABLS-12.000MHZ-B2-T
12.288000	535-9068-1-ND	.43	.38	.33	.24	535-9068-2-ND	203.88	ABLS-12.288MHZ-B2-T
14.318180	535-9069-1-ND	.43	.38	.33	.24	535-9069-2-ND	203.88	ABLS-14.31818MHZ-B2-T
14.745600	535-9070-1-ND	.43	.38	.33	.24	535-9070-2-ND	203.88	ABLS-14.7456MHZ-B2-T
16.000000	535-9071-1-ND	.43	.38	.33	.24	535-9071-2-ND	203.88	ABLS-16.000MHZ-B2-T
18.432000	535-9072-1-ND	.43	.38	.33	.24	535-9072-2-ND	203.88	ABLS-18.432MHZ-B2-T
19.660800	535-9073-1-ND	.43	.38	.33	.24	535-9073-2-ND	203.88	ABLS-19.6608MHZ-B2-T
20.000000	535-9074-1-ND	.43	.38	.33	.24	535-9074-2-ND	203.88	ABLS-20.000MHZ-B2-T
22.118400	535-9075-1-ND	.43	.38	.33	.24	535-9075-2-ND	203.88	ABLS-22.1184MHZ-B2-T
24.000000	535-9076-1-ND	.43	.38	.33	.24	535-9076-2-ND	203.88	ABLS-24.000MHZ-B2-T
24.576000	535-9077-1-ND	.43	.38	.33	.24	535-9077-2-ND	203.88	ABLS-24.576MHZ-B2F-T
25.000000	535-9078-1-ND	.43	.38	.33	.24	535-9078-2-ND	203.88	ABLS-25.000MHZ-B2F-T
27.000000	535-9079-1-ND	.43	.38	.33	.24	535-9079-2-ND	203.88	ABLS-27.000MHZ-B2F-T
32.000000	535-9080-1-ND	.43	.38	.33	.24	535-9080-2-ND	203.88	ABLS-32.000MHZ-B2-T
48.000000	535-9083-1-ND	.43	.38	.33	.24	535-9083-2-ND	203.88	ABLS-48.000MHZ-B2-T
49.152000	535-9084-1-ND	.43	.38	.33	.24	535-9084-2-ND	203.88	ABLS-49.152MHZ-B2-T

**D**

**ABL Series HC49US Crystals**

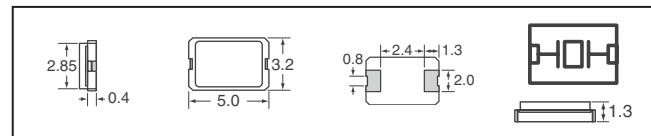
**Specifications:**

- Frequency Stability: ±50ppm, -20°C ~ 70°C
- Frequency Tolerance: ±20ppm
- Operating Temperature: -20°C ~ 70°C
- Load Capacitance: 18.0pF



Frequency (MHz)	Digi-Key Part No.	1	10	50	100	Abracon Part No.
3.579545	535-9053-ND	.38	.33	.30	.28	ABL-3.579545MHZ-B2
3.686400	535-9054-ND	.38	.33	.30	.28	ABL-3.6864MHZ-B2
4.000000	535-9057-ND	.38	.33	.30	.28	ABL-4.000MHZ-B2
4.096000	535-9058-ND	.38	.33	.30	.28	ABL-4.096MHZ-B2
4.915200	535-9059-ND	.38	.33	.30	.28	ABL-4.9152MHZ-B2
6.000000	535-9060-ND	.38	.33	.30	.28	ABL-6.000MHZ-B2
7.372800	535-9061-ND	.38	.33	.30	.28	ABL-7.3728MHZ-B2
8.000000	535-9062-ND	.38	.33	.30	.28	ABL-8.000MHZ-B2
8.192000	535-9063-ND	.38	.33	.30	.28	ABL-8.192MHZ-B2
9.830400	535-9064-ND	.38	.33	.30	.28	ABL-9.8304MHZ-B2
10.000000	535-9035-ND	.38	.33	.30	.28	ABL-10.000MHZ-B2
11.059200	535-9036-ND	.38	.33	.30	.28	ABL-11.0592MHZ-B2
12.000000	535-9037-ND	.38	.33	.30	.28	ABL-12.000MHZ-B2
12.288000	535-9038-ND	.38	.33	.30	.28	ABL-12.288MHZ-B2
14.318180	535-9039-ND	.38	.33	.30	.28	ABL-14.31818MHZ-B2
14.745600	535-9040-ND	.38	.33	.30	.28	ABL-14.7456MHZ-B2
16.000000	535-9041-ND	.38	.33	.30	.28	ABL-16.000MHZ-B2
16.128000	535-9042-ND	.38	.33	.30	.28	ABL-16.128MHZ-B2
16.384000	535-9043-ND	.38	.33	.30	.28	ABL-16.384MHZ-B2
18.432000	535-9044-ND	.38	.33	.30	.28	ABL-18.432MHZ-B2
19.660800	535-9045-ND	.38	.33	.30	.28	ABL-19.6608MHZ-B2
20.000000	535-9046-ND	.38	.33	.30	.28	ABL-20.000MHZ-B2
22.118400	535-9047-ND	.38	.33	.30	.28	ABL-22.1184MHZ-B2
24.000000	535-9048-ND	.38	.33	.30	.28	ABL-24.000MHZ-B2
24.576000	535-9049-ND	.38	.33	.30	.28	ABL-24.576MHZ-B2F
25.000000	535-9050-ND	.38	.33	.30	.28	ABL-25.000MHZ-B2F
27.000000	535-9051-ND	.38	.33	.30	.28	ABL-27.000MHZ-B2F
32.000000	535-9052-ND	.38	.33	.30	.28	ABL-32.000MHZ-B2
40.000000	535-9055-ND	.68	.59	.54	.49	ABL-40.000MHZ-B2
48.000000	535-9056-ND	1.36	1.17	1.07	.97	ABL-48.000MHZ-B2

**ABM3 Series 5.0 x 3.2 SMD Crystals**



**Specifications:**

- Frequency Stability: ±100ppm, -20°C ~ 70°C
- Frequency Tolerance: ±20ppm
- Operating Temperature: -40°C ~ 85°C
- Load Capacitance: 18.0pF

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	T & R Pricing 1,000	Abracon Part No.	
		1	10	50	100			
12.000000	535-9100-1-ND	1.07	.88	.78	.69	535-9100-2-ND	542.64	ABM3-12.000MHZ-B2-T
13.560000	535-9101-1-ND	1.07	.88	.78	.69	535-9101-2-ND	542.64	ABM3-13.560MHZ-B2-T
14.318180	535-9102-1-ND	1.07	.88	.78	.69	535-9102-2-ND	542.64	ABM3-14.31818MHZ-B2-T
16.000000	535-9103-1-ND	1.07	.88	.78	.69	535-9103-2-ND	542.64	ABM3-16.000MHZ-B2-T
18.432000	535-9104-1-ND	1.07	.88	.78	.69	535-9104-2-ND	542.64	ABM3-18.432MHZ-B2-T
20.000000	535-9105-1-ND	1.07	.88	.78	.69	535-9105-2-ND	542.64	ABM3-20.000MHZ-B2-T
24.000000	535-9106-1-ND	1.07	.88	.78	.69	535-9106-2-ND	542.64	ABM3-24.000MHZ-B2-T
24.576000	535-9107-1-ND	1.07	.88	.78	.69	535-9107-2-ND	542.64	ABM3-24.576MHZ-B2-T
25.000000	535-9108-1-ND	1.07	.88	.78	.69	535-9108-2-ND	542.64	ABM3-25.000MHZ-B2-T
27.000000	535-9109-1-ND	1.07	.88	.78	.69	535-9109-2-ND	542.64	ABM3-27.000MHZ-B2-T
28.636300	535-9110-1-ND	1.07	.88	.78	.69	535-9110-2-ND	542.64	ABM3-28.6363MHZ-B2-T
29.491200	535-9111-1-ND	1.07	.88	.78	.69	535-9111-2-ND	542.64	ABM3-29.4912MHZ-B2-T
30.000000	535-9112-1-ND	1.07	.88	.78	.69	535-9112-2-ND	542.64	ABM3-30.000MHZ-B2-T
33.000000	535-9113-1-ND	1.07	.88	.78	.69	535-9113-2-ND	542.64	ABM3-33.000MHZ-B2-T
40.000000	535-9114-1-ND	1.07	.88	.78	.69	535-9114-2-ND	542.64	ABM3-40.000MHZ-B2-T
48.000000	535-9115-1-ND	1.07	.88	.78	.69	535-9115-2-ND	542.64	ABM3-48.000MHZ-B2-T

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