

CITIZEN Crystals

CITIZEN



This product is RoHS compliant.

HC49US SERIES MHZ RANGE METAL CAN CRYSTALS

Features:

- The HC-49/U-S is a high-performance miniature crystal unit manufactured with Citizen's ultrahigh-precision processing technology
- Excellent vibration resistance, shock resistance and environmental characteristics and shock resistance
- Can be automatically mounted, as units provided with taping are available by request

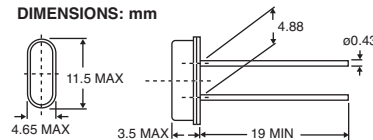
Specifications:

- Operating Temperature: -20°C to +70°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF Typ.



RoHS Compliant

DIMENSIONS: mm



For quantities of 5,000 and up, call for quote.

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MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	200
695-HC49US-357-U	HC49US3.579545MABJ-UB	3.579545	.58	.52	.46	.42	.40
695-HC49US-368-U	HC49US3.6864MABJ-UB	3.686400	.58	.52	.46	.42	.40
695-HC49US-4-U	HC49US4.000MABJ-UB	4.000000	.58	.52	.46	.42	.40
695-HC49US-419-U	HC49US4.194304MABJ-UB	1.194304	.58	.52	.46	.42	.40
695-HC49US-491-U	HC49US4.9152MABJ-UB	4.915200	.58	.52	.46	.42	.40
695-HC49US-5-U	HC49US5.000MABJ-UB	5.000000	.58	.52	.46	.42	.40
695-HC49US-6-U	HC49US6.000MABJ-UB	6.000000	.58	.52	.46	.42	.40
695-HC49US-614-U	HC49US6.144MABJ-UB	6.144000	.58	.52	.46	.42	.40
695-HC49US-617-U	HC49US6.176MABJ-UB	6.176000	.58	.52	.46	.42	.40
695-HC49US-737-U	HC49US7.3728MABJ-UB	7.372800	.58	.52	.46	.42	.40
695-HC49US-8-U	HC49US8.000MABJ-UB	8.000000	.58	.52	.46	.42	.40
695-HC49US-819-U	HC49US8.192MABJ-UB	8.192000	.58	.52	.46	.42	.40
695-HC49US-983-U	HC49US9.8304MABJ-UB	9.830400	.58	.52	.46	.42	.40
695-HC49US-10-U	HC49US10.000MABJ-UB	10.000000	.58	.52	.46	.42	.40
695-HC49US-110-U	HC49US11.0592MABJ-UB	11.059200	.58	.52	.46	.42	.40
695-HC49US-12-U	HC49US12.000MABJ-UB	12.000000	.58	.52	.46	.42	.40
695-HC49US-122-U	HC49US12.288MABJ-UB	12.288000	.58	.52	.46	.42	.40
695-HC49US-135-U	HC49US13.500MABJ-UB	13.500000	.58	.52	.46	.42	.40
695-HC49US-143-U	HC49US14.31818MABJ-UB	14.318180	.58	.52	.46	.42	.40

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	200
695-HC49US-147-U	HC49US14.7456MABJ-UB	14.745600	.58	.52	.46	.42	.40
695-HC49US-153-U	HC49US15.360MABJ-UB	15.360000	.58	.52	.46	.42	.40
695-HC49US-16-U	HC49US16.000MABJ-UB	16.000000	.58	.52	.46	.42	.40
695-HC49US-18-U	HC49US18.000MABJ-UB	18.000000	.58	.52	.46	.42	.40
695-HC49US-184-U	HC49US18.432MABJ-UB	18.432000	.58	.52	.46	.42	.40
695-HC49US-196-U	HC49US19.6608MABJ-UB	19.660800	.58	.52	.46	.42	.40
695-HC49US-20-U	HC49US20.000MABJ-UB	20.000000	.58	.52	.46	.42	.40
695-HC49US-214-U	HC49US21.4772MABJ-UB	21.477200	.58	.52	.46	.42	.40
695-HC49US-221-U	HC49US22.1184MABJ-UB	22.118400	.58	.52	.46	.42	.40
695-HC49US-24-U	HC49US24.000MABJ-UB	24.000000	.58	.52	.46	.42	.40
695-HC49US-245-U	HC49US24.576MABJ-UB	24.576000	.58	.52	.46	.42	.40
695-HC49US-25-U	HC49US25.000MABJ-UB	25.000000	.58	.52	.46	.42	.40
695-HC49US-27-U	HC49US27.000MABJ-UB	27.000000	.58	.52	.46	.42	.40
695-HC49US-282-U	HC49US28.224MABJ-UB	28.224000	.58	.52	.46	.42	.40
695-HC49US-338-U	HC49US33.8688MABJ-UB	33.868800	.58	.52	.46	.42	.40
695-HC49US-40-U	HC49US40.000MABJ-UB	40.000000	.58	.52	.46	.42	.40
695-HC49US-48-U	HC49US48.000MABJ-UB	48.000000	.58	.52	.46	.42	.40
695-HC49US-49.1-U	H49US49.152MABJ-UB	49.152000	.58	.52	.46	.42	.40
695-HC49US-50M-U	HC49US50.000MABJ-UB	50.000000	.58	.52	.46	.42	.40

Frequency Control

Citizen

CSA-309 / CSA-310 SERIES MHZ RANGE CYLINDER CRYSTALS

Specifications:

- Operating Temperature: -20°C to +70°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF Typ.

Features:

- High stability has been gained through vacuum sealing
- Outstanding vibration resistance, shock resistance and environmental characteristics



RoHS Compliant

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	500	1000
695-CSA3103.5M-U	CSA310 3.579545MABJ-UB	A	3.579545	.54	.45	.41	.36	.32	.29
695-CSA3103.6M-U	CSA310 3.6864MABJ-UB	A	3.686400	.54	.45	.41	.36	.32	.29
695-CSA3104M-U	CSA310 4.000MABJ-UB	A	4.000000	.54	.45	.41	.36	.32	.29
695-CSA309-491M-U	CSA309 4.9152MABJ-UB	A	4.915200	.78	.67	.62	.57	.44	.41
695-CSA309-5-U	CSA309 5.000MABJ-UB	A	5.000000	.78	.67	.62	.57	.44	.41
695-CSA309-6-U	CSA309 6.000MABJ-UB	A	6.000000	.78	.67	.62	.57	.44	.41
695-CSA309-737-U	CSA309 7.3728MABJ-UB	A	7.372800	.78	.67	.62	.57	.44	.41
695-CSA309-8-U	CSA309 8.000MABJ-UB	A	8.000000	.78	.67	.62	.57	.44	.41
695-CSA309-819-U	CSA309 8.192MABJ-UB	A	8.192000	.78	.67	.62	.57	.44	.41
695-CSA309-10-U	CSA309 10.000MABJ-UB	A	10.000000	.78	.67	.62	.57	.44	.41
695-CSA309-1105-U	CSA309 11.0592MABJ-UB	A	11.059200	.78	.67	.62	.57	.44	.41
695-CSA309-12-U	CSA309 12.000MABJ-UB	A	12.000000	.78	.67	.62	.57	.44	.41
695-CSA309-122-U	CSA309 12.288MABJ-UB	A	12.288000	.78	.67	.62	.57	.44	.41
695-CSA309-143-U	CSA309 14.31818MABJ-UB	A	14.318180	.78	.67	.62	.57	.44	.41
695-CSA309-147-U	CSA309 14.7456MABJ-UB	A	14.745600	.78	.67	.62	.57	.44	.41
695-CSA309-16-U	CSA309 16.000MABJ-UB	A	16.000000	.78	.67	.62	.57	.44	.41
695-CSA309-163-U	CSA309 16.384MABJ-UB	A	16.384000	.78	.67	.62	.57	.44	.41
695-CSA309-1666-U	CSA309 16.666MABJ-UB	A	16.666000	.78	.67	.62	.57	.44	.41
695-CSA309-184-U	CSA309 18.432MABJ-UB	A	18.432000	.78	.67	.62	.57	.44	.41
695-CSA309-196-U	CSA309 19.6608MABJ-UB	A	19.660800	.78	.67	.62	.57	.44	.41
695-CSA309-20-U	CSA309 20.000MABJ-UB	A	20.000000	.78	.67	.62	.57	.44	.41
695-CSA309-221-U	CSA309 22.1184MABJ-UB	A	22.118400	.83	.72	.66	.61	.47	.40
695-CSA309-24-U	CSA309 24.000MABJ-UB	A	24.000000	.83	.72	.66	.61	.47	.40
695-CSA309-245-U	CSA309 24.576MABJ-UB	A	24.576000	.83	.72	.66	.61	.47	.40
695-CSA309-247-U	CSA309 24.7456MABJ-UB	A	24.745600	.83	.72	.66	.61	.47	.40
695-CSA309-25-U	CSA309 25.000MABJ-UB	A	25.000000	.83	.72	.66	.61	.47	.40
695-CSA309-27-U	CSA309 27.000MABJ-UB	A	27.000000	.83	.72	.66	.61	.47	.40
695-CSA309-286-U	CSA309 28.6363MABJ-UB	A	28.636300	.83	.72	.66	.61	.47	.40
695-CSA309-294-U	CSA309 29.4912MABJ-UB	A	29.491200	.83	.72	.66	.61	.47	.40
695-CSA309-30-U	CSA309 30.000MABJ-UB	A	30.000000	.83	.72	.66	.61	.47	.40
695-CSA309-32-U	CSA309 32.000MABJ-UB	A	32.000000	.83	.72	.66	.61	.47	.40
695-CSA309-327-U	CSA309 32.768MABJ-UB	A	32.768000	.83	.72	.66	.61	.47	.40
695-CSA309-36-U	CSA309 36.000MABJ-UB	A	36.000000	.83	.72	.66	.61	.47	.40
695-CSA309-40-U	CSA309 40.000MABJ-UB	A	40.000000	.83	.72	.66	.61	.47	.40
695-CSA309-48-U	CSA309 48.000MABJ-UB	A	48.000000	.83	.72	.66	.61	.47	.40
695-CSA309-491-U	CSA309 49.152MABJ-UB	A	49.152000	.83	.72	.66	.61	.47	.40
695-CSA309-531-U	CSA309 53.125MABJ-UB	A	53.125000	.83	.72	.66	.61	.47	.40

CFS / CFV SERIES KHZ RANGE CYLINDER CRYSTALS

Specifications:

- Operating Temperature: -10°C to +60°C
- Frequency Tolerance: CFS ±20ppm, CFV ±30ppm
- Load Capacitance: 12.5pF Typ.; (CFS-145) 8.0pF Typ.
- Insulation Resistance: 500MΩ Min.



RoHS Compliant

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (KHz)	LC (pF)	Price Each					
					1	10	50	100	500	1000
695-CFS145-327K-U	CFS145 32.768KDZFB-UB	B	32.768	12.5	.79	.68	.63	.58	.45	.42
695-CFS206-327KFB-U	CFS206 32.768KDZB-UB	C	32.768	12.5	.30	.26	.22	.18	.16	.14
695-CFV206-32K-U	CFV206 32.000KAZF-UB	C	32.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-36K-U	CFV206 36.000KAZF-UB	C	36.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-38.4K-U	CFV206 38.400KAZF-UB	C	38.400	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-40K-U	CFV206 40.000KAZF-UB	C	40.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-60K-U	CFV206 60.000KAZF-UB	C	60.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-75K-U	CFV206 75.000KAZF-UB	C	75.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-76.8K-U	CFV206 76.800KAZF-UB	C	76.800	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-96K-U	CFV206 96.000KAZF-UB	C	96.000	12.5	1.00	.90	.65	.58	.54	.52
695-CFV206-100K-U	CFV206 100.000KAZF-UB	C	100.000	12.5	1.00	.90	.65	.58	.54	.52

