

QUALIFIED PRODUCTS LIST  
 OF  
 PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION  
 MIL-PRF-3098  
 CRYSTAL UNITS, QUARTZ,  
 GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by Specification MIL-PRF-3098. Listing of a product is not intended to and does not connote endorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND AND FORT MONMOUTH. The activity designated as agent for all contacts relative to this QPL is DLA Land and Maritime-VQ, Columbus, OH 43218-3990.

NOTE: Frequency to be appended to all M3098 part numbers in accordance with MIL-PRF-3098 paragraph 1.2.

| GOVERNMENT DESIGNATION         | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|--------------------------------|-------------------------------------------|---------------------------------|---------------------|----------------------------------------|
| *CR5B/U<br>2MHz thru 10MHz     | CR5B/U<br>2MHz thru 10MHz                 | QA-118/ALD3, 11 Dec 1967        | /77                 | Croven Crystals                        |
| *CR5B/U<br>2MHz thru 10MHz     | CR5B/U<br>2MHz thru 10MHz                 | 3098-654-67                     | /77                 | M-tron Industries, Inc.                |
| *CR5B/U<br>2.25MHz thru 20MHz  | CR5B/U<br>2.25MHz thru 20MHz              | 3098-3829-13                    | /77                 | Precision Devices, Inc. (PDI)          |
| *CR6B/U<br>2MHz thru 10MHz     | CR6B/U<br>2MHz thru 10MHz                 | QA-118-ALD3, 11 Dec 1967        | /78                 | Croven Crystals                        |
| *CR6B/U<br>2MHz thru 10MHz     | CR6B/U<br>2MHz thru 10MHz                 | 3098-654-67                     | /78                 | M-tron Industries, Inc.                |
| *CR6B/U<br>2.25MHz thru 20MHz  | CR6B/U<br>2.25MHz thru 20MHz              | 3098-3829-13                    | /78                 | Precision Devices, Inc. (PDI)          |
| *CR8B/U<br>1MHz thru 10MHz     | CR8B/U<br>1MHz thru 10MHz                 | QA-118/ALD3, 11 Dec 1967        | /111                | Croven Crystals                        |
| *CR8B/U<br>1MHz thru 10MHz     | CR8B/U<br>1MHz thru 10MHz                 | 3098-654-67                     | /111                | M-tron Industries, Inc.                |
| *CR8B/U<br>2.25MHz thru 20MHz  | CR8B/U<br>2.25MHz thru 20MHz              | 3098-3829-13                    | /111                | Precision Devices, Inc. (PDI)          |
| *CR18B/U<br>920KHz thru 20MHz  | CR18B/U<br>920KHz thru 20MHz              | 3098-35-71                      | /3                  | Bliley Technologies, Inc.              |
| *CR18B/U<br>1MHz thru 20MHz    | CR18B/U<br>1MHz thru 20MHz                | QA-118/ALD3, 11 Dec 1967        | /3                  | Croven Crystals                        |
| *CR18B/U<br>1MHz thru 20MHz    | CR18B/U<br>1MHz thru 20MHz                | 3098-654-67                     | /3                  | M-tron Industries, Inc.                |
| *CR18B/U<br>2.25MHz thru 20MHz | CR18B/U<br>2.25MHz thru 20MHz             | 3098-3829-13                    | /3                  | Precision Devices, Inc. (PDI)          |

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|--------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR19B/U<br>920KHz thru 20MHz  | CR19B/U<br>920KHz thru 20MHz                    | 3098-35-71                            | /4                          | Bliley Technologies, Inc.                 |
| *CR19B/U<br>1MHz thru 20MHz    | CR19B/U<br>1MHz thru 20MHz                      | QA-118/ALD3, 11 Dec 1967              | /4                          | Croven Crystals                           |
| *CR19B/U<br>1MHz thru 20MHz    | CR19B/U<br>1MHz thru 20MHz                      | 3098-654-67                           | /4                          | M-tron Industries, Inc.                   |
| *CR19B/U<br>2.25MHz thru 20MHz | CR19B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /4                          | Precision Devices, Inc. (PDI)             |
| *CR27B/U<br>920KHz thru 20MHz  | CR27B/U<br>920KHz thru 20MHz                    | 3098-33-71                            | /9                          | Bliley Technologies, Inc.                 |
| *CR27B/U<br>1MHz thru 20MHz    | CR27B/U<br>1MHz thru 20MHz                      | 3098-655-67                           | /9                          | M-tron Industries, Inc.                   |
| *CR27B/U<br>2.25MHz thru 20MHz | CR27B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /9                          | Precision Devices, Inc. (PDI)             |
| *CR28B/U<br>920KHz thru 20MHz  | CR28B/U<br>920KHz thru 20MHz                    | 3098-33-71                            | /10                         | Bliley Technologies, Inc.                 |
| *CR28B/U<br>1MHz thru 20MHz    | CR28B/U<br>1MHz thru 20MHz                      | 3098-655-67                           | /10                         | M-tron Industries, Inc.                   |
| *CR28B/U<br>2.25MHz thru 20MHz | CR28B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /10                         | Precision Devices, Inc. (PDI)             |
| *CR33B/U<br>10MHz thru 30MHz   | CR33B/U<br>10MHz thru 30MHz                     | 3098-512-78                           | /14                         | Bliley Technologies, Inc.                 |
| *CR35B/U<br>920KHz thru 20MHz  | CR35B/U<br>920KHz thru 20MHz                    | 3098-33-71                            | /15                         | Bliley Technologies, Inc.                 |
| *CR35B/U<br>1MHz thru 20MHz    | CR35B/U<br>1MHz thru 20MHz                      | 3098-655-67                           | /15                         | M-tron Industries, Inc.                   |
| *CR35B/U<br>2.25MHz thru 20MHz | CR35B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /15                         | Precision Devices, Inc. (PDI)             |
| *CR36B/U<br>1MHz thru 20MHz    | CR36B/U<br>1MHz thru 20MHz                      | 3098-655-67                           | /16                         | M-tron Industries, Inc.                   |
| *CR36B/U<br>2.25MHz thru 20MHz | CR36B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /16                         | Precision Devices, Inc. (PDI)             |
| *CR52B/U<br>10MHz thru 61MHz   | CR52B/U<br>10MHz thru 61MHz                     | 3098-833-67                           | /30                         | M-tron Industries, Inc.                   |
| *CR55B/U<br>24MHz thru 62MHz   | CR55B/U<br>24MHz thru 62MHz                     | QA-277/LD3, 4 Jan 1968                | /33                         | Croven Crystals                           |
| *CR55B/U<br>17MHz thru 61MHz   | CR55B/U<br>17MHz thru 61MHz                     | 3098-280-73                           | /33                         | M-tron Industries, Inc.                   |
| *CR55B/U<br>16MHz thru 61MHz   | CR55B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /33                         | Precision Devices, Inc. (PDI)             |
| *CR56B/U<br>50MHz thru 125MHz  | CR56B/U<br>50MHz thru 125MHz                    | QA-180/D3, 28 Jan 1969                | /34                         | Croven Crystals                           |

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|--------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR58B/U<br>1MHz thru 20MHz    | CR58B/U<br>1MHz thru 20MHz                      | QA-118/ALD3, 11 Dec 1967              | /36                         | Croven Crystals                           |
| *CR58B/U<br>1MHz thru 20MHz    | CR58B/U<br>1MHz thru 20MHz                      | 3098-654-67                           | /36                         | M-tron Industries, Inc.                   |
| *CR58B/U<br>2.25MHz thru 20MHz | CR58B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /36                         | Precision Devices, Inc. (PDI)             |
| *CR59B/U<br>50MHz thru 125MHz  | CR59B/U<br>50MHz thru 125MHz                    | QA-559/LS3, 8 Jul 1968                | /37                         | Croven Crystals                           |
| *CR60B/U<br>5MHz thru 20MHz    | CR60B/U<br>5MHz thru 20MHz                      | 3098-281-79                           | /38                         | Bliley Technologies, Inc.                 |
| *CR60B/U<br>5MHz thru 20MHz    | CR60B/U<br>5MHz thru 20MHz                      | QA-690/E2, 2 Dec 1971                 | /38                         | Croven Crystals                           |
| *CR60B/U<br>5MHz thru 20MHz    | CR60B/U<br>5MHz thru 20MHz                      | 3098-450-76                           | /38                         | Inficon EDC, Inc.                         |
| *CR60B/U<br>5MHz thru 20MHz    | CR60B/U<br>5MHz thru 20MHz                      | 3098-261-68                           | /38                         | M-tron Industries, Inc.                   |
| *CR60B/U<br>5MHz thru 20MHz    | CR60B/U<br>5MHz thru 20MHz                      | 3098-572-03                           | /38                         | Precision Devices, Inc. (PDI)             |
| *CR61B/U<br>24MHz thru 61MHz   | CR61B/U<br>24MHz thru 61MHz                     | QA-277/LD3, 4 Jan 1968                | /39                         | Croven Crystals                           |
| *CR61B/U<br>16MHz thru 61MHz   | CR61B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /39                         | Precision Devices, Inc. (PDI)             |
| *CR62B/U<br>920KHz thru 20MHz  | CR62B/U<br>920KHz thru 20MHz                    | 3098-33-71                            | /40                         | Bliley Technologies, Inc.                 |
| *CR62B/U<br>1MHz thru 20MHz    | CR62B/U<br>1MHz thru 20MHz                      | 3098-655-67                           | /40                         | M-tron Industries, Inc.                   |
| *CR62B/U<br>2.25MHz thru 20MHz | CR62B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /40                         | Precision Devices, Inc. (PDI)             |
| *CR64B/U<br>3.7MHz thru 20MHz  | CR64B/U<br>3.7MHz thru 20MHz                    | QA-690/E2, 2 Dec 1971                 | /42                         | Croven Crystals                           |
| *CR64B/U<br>2.4MHz thru 20MHz  | CR64B/U<br>2.4MHz thru 20MHz                    | 3098-450-76                           | /42                         | Inficon EDC, Inc.                         |
| *CR64B/U<br>2.4MHz thru 20MHz  | CR64B/U<br>2.4MHz thru 20MHz                    | 3098-261-68                           | /42                         | M-tron Industries, Inc.                   |
| *CR64B/U<br>2.4MHz thru 20MHz  | CR64B/U<br>2.4MHz thru 20MHz                    | 3098-572-03                           | /42                         | Precision Devices, Inc. (PDI)             |
| *CR65B/U<br>10MHz thru 61MHz   | CR65B/U<br>10MHz thru 61MHz                     | 3098-833-67                           | /43                         | M-tron Industries, Inc.                   |
| *CR67B/U<br>24MHz thru 62MHz   | CR67B/U<br>24MHz thru 62MHz                     | QA-277/LD3, 4 Jan 1968                | /45                         | Croven Crystals                           |
| *CR67B/U<br>17MHz thru 61MHz   | CR67B/U<br>17MHz thru 61MHz                     | 3098-280-73                           | /45                         | M-tron Industries, Inc.                   |

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|-------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR67B/U<br>16MHz thru 61MHz  | CR67B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /45                         | Precision Devices, Inc. (PDI)             |
| *CR69B/U<br>2.9MHz thru 25MHz | CR69B/U<br>2.9MHz thru 25MHz                    | QA-690/E2, 2 Dec 1971                 | /47                         | Croven Crystals                           |
| *CR69B/U<br>2.9MHz thru 25MHz | CR69B/U<br>2.9MHz thru 25MHz                    | 3098-450-76                           | /47                         | Inficon EDC, Inc.                         |
| *CR69B/U<br>2.9MHz thru 25MHz | CR69B/U<br>2.9MHz thru 25MHz                    | 3098-572-03                           | /47                         | Precision Devices, Inc. (PDI)             |
| *CR72B/U<br>24MHz thru 61MHz  | CR72B/U<br>24MHz thru 61MHz                     | QA-277/LD3, 4 Jan 1968                | /50                         | Croven Crystals                           |
| *CR72B/U<br>17MHz thru 61MHz  | CR72B/U<br>17MHz thru 61MHz                     | 3098-280-73                           | /50                         | M-tron Industries, Inc.                   |
| *CR72B/U<br>16MHz thru 61MHz  | CR72B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /50                         | Precision Devices, Inc. (PDI)             |
| *CR76B/U<br>24MHz thru 61MHz  | CR76B/U<br>24MHz thru 61MHz                     | QA-277/LD3, 4 Jan 1968                | /53                         | Croven Crystals                           |
| *CR76B/U<br>16MHz thru 61MHz  | CR76B/U<br>16MHz thru 61MHz                     | 3098-280-73                           | /53                         | M-tron Industries, Inc.                   |
| *CR76B/U<br>16MHz thru 61MHz  | CR76B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /53                         | Precision Devices, Inc. (PDI)             |
| *CR77B/U<br>24MHz thru 62MHz  | CR77B/U<br>24MHz thru 62MHz                     | QA-277/LD3, 4 Jan 1968                | /55                         | Croven Crystals                           |
| *CR77B/U<br>17MHz thru 61MHz  | CR77B/U<br>17MHz thru 61MHz                     | 3098-280-73                           | /55                         | M-tron Industries, Inc.                   |
| *CR77B/U<br>16MHz thru 61MHz  | CR77B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /55                         | Precision Devices, Inc. (PDI)             |
| *CR78B/U<br>2.9MHz thru 20MHz | CR78B/U<br>2.9MHz thru 20MHz                    | QA-690/E2, 2 Dec 1971                 | /62                         | Croven Crystals                           |
| *CR78B/U<br>2.2MHz thru 20MHz | CR78B/U<br>2.2MHz thru 20MHz                    | 3098-450-76                           | /62                         | Inficon EDC, Inc.                         |
| *CR78B/U<br>2.2MHz thru 20MHz | CR78B/U<br>2.2MHz thru 20MHz                    | 3098-261-68                           | /62                         | M-tron Industries, Inc.                   |
| *CR78B/U<br>2.2MHz thru 20MHz | CR78B/U<br>2.2MHz thru 20MHz                    | 3098-572-03                           | /62                         | Precision Devices, Inc. (PDI)             |
| *CR79B/U<br>2.9MHz thru 20MHz | CR79B/U<br>2.9MHz thru 20MHz                    | QA-690/E2, 2 Dec 1971                 | /63                         | Croven Crystals                           |
| *CR79B/U<br>2.9MHz thru 20MHz | CR79B/U<br>2.9MHz thru 20MHz                    | 3098-450-76                           | /63                         | Inficon EDC, Inc.                         |
| *CR79B/U<br>2.9MHz thru 20MHz | CR79B/U<br>2.9MHz thru 20MHz                    | 3098-261-68                           | /63                         | M-tron Industries, Inc.                   |
| *CR79B/U<br>2.9MHz thru 20MHz | CR79B/U<br>2.9MHz thru 20MHz                    | 3098-572-03                           | /63                         | Precision Devices, Inc. (PDI)             |

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|---------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR80B/U<br>50MHz thru 125MHz   | CR80B/U<br>50MHz thru 125MHz                    | QA-180/D3, 28 Jan 1969                | /57                         | Croven Crystals                           |
| *CR81B/U<br>24MHz thru 62MHz    | CR81B/U<br>24MHz thru 62MHz                     | QA-277/LD3, 4 Jan 1968                | /58                         | Croven Crystals                           |
| *CR81B/U<br>17MHz thru 61MHz    | CR81B/U<br>17MHz thru 61MHz                     | 3098-280-73                           | /58                         | M-tron Industries, Inc.                   |
| *CR81B/U<br>16MHz thru 61MHz    | CR81B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /58                         | Precision Devices, Inc. (PDI)             |
| *CR82B/U<br>50MHz thru 125MHz   | CR82B/U<br>50MHz thru 125MHz                    | QA-180/D3, 28 Jan 1969                | /59                         | Croven Crystals                           |
| *CR83B/U<br>50MHz thru 125MHz   | CR83B/U<br>50MHz thru 125MHz                    | QA-180/D3, 28 Jan 1969                | /60                         | Croven Crystals                           |
| *CR84B/U<br>24MHz thru 61MHz    | CR84B/U<br>24MHz thru 61MHz                     | QA-277/LD3, 4 Jan 1968                | /61                         | Croven Crystals                           |
| *CR84B/U<br>16MHz thru 61MHz    | CR84B/U<br>16MHz thru 61MHz                     | 3098-3829-13                          | /61                         | Precision Devices, Inc. (PDI)             |
| *CR85B/U<br>920KHz thru 20MHz   | CR85B/U<br>920KHz thru 20MHz                    | 3098-35-71                            | /56                         | Bliley Technologies, Inc.                 |
| *CR85B/U<br>2.25MHz thru 20MHz  | CR85B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /56                         | Precision Devices, Inc. (PDI)             |
| *CR89B/U<br>2.12MHz thru 6.2MHz | CR89B/U<br>2.12MHz thru 6.2MHz                  | 3098-35-71                            | /67                         | Bliley Technologies, Inc.                 |
| *CR89B/U<br>2.12MHz thru 6.2MHz | CR89B/U<br>2.12MHz thru 6.2MHz                  | QA-118/ALD3, 11 Dec 1967              | /67                         | Croven Crystals                           |
| *CR89B/U<br>2.12MHz thru 6.2MHz | CR89B/U<br>2.12MHz thru 6.2MHz                  | 3098-654-67                           | /67                         | M-tron Industries, Inc.                   |
| *CR89B/U<br>2.25MHz thru 20MHz  | CR89B/U<br>2.25MHz thru 20MHz                   | 3098-3829-13                          | /67                         | Precision Devices, Inc. (PDI)             |
| *CR97B/U<br>8MHz thru 10MHz     | CR97B/U<br>8MHz thru 10MHz                      | QA-690/E2, 2 Dec 1971                 | /72                         | Croven Crystals                           |
| *CR97B/U<br>8MHz thru 10MHz     | CR97B/U<br>8MHz thru 10MHz                      | 3098-450-76                           | /72                         | Inficon EDC, Inc.                         |
| *CR97B/U<br>8MHz thru 10MHz     | CR97B/U<br>8MHz thru 10MHz                      | 3098-261-68                           | /72                         | M-tron Industries, Inc.                   |
| *CR97B/U<br>8MHz thru 10MHz     | CR97B/U<br>8MHz thru 10MHz                      | 3098-572-03                           | /72                         | Precision Devices, Inc. (PDI)             |
| *CR101B/U<br>7MHz thru 20MHz    | CR101B/U<br>7MHz thru 20MHz                     | 3098-587-03                           | /103                        | Croven Crystals                           |
| *CR101B/U<br>7MHz thru 20MHz    | CR101B/U<br>7MHz thru 20MHz                     | 3098-32-88                            | /103                        | Inficon EDC, Inc.                         |
| *CR101B/U<br>7MHz thru 20MHz    | CR101B/U<br>7MHz thru 20MHz                     | 3098-3099-10                          | /103                        | Precision Devices, Inc. (PDI)             |

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|-----------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR102B/U<br>50MHz thru 125MHz    | CR102B/U<br>50MHz thru 125MHz                   | 3098-587-03                           | /104                        | Croven Crystals                           |
| *CR103B/U<br>17MHz thru 61MHz     | CR103B/U<br>17MHz thru 61MHz                    | 3098-587-03                           | /105                        | Croven Crystals                           |
| *CR106B/U<br>10.5MHz thru 11.5MHz | CR106B/U<br>10.5MHz thru 11.5MHz                | QA-690/E2, 2 Dec 1971                 | /82                         | Croven Crystals                           |
| *CR106B/U<br>10.5MHz thru 11.5MHz | CR106B/U<br>10.5MHz thru 11.5MHz                | 3098-450-76                           | /82                         | Inficon EDC, Inc.                         |
| *CR106B/U<br>10.5MHz thru 11.5MHz | CR106B/U<br>10.5MHz thru 11.5MHz                | 3098-261-68                           | /82                         | M-tron Industries, Inc.                   |
| *CR106B/U<br>10.5MHz thru 11.5MHz | CR106B/U<br>10.5MHz thru 11.5MHz                | 3098-572-03                           | /82                         | Precision Devices, Inc. (PDI)             |
| *CR109B/U<br>10MHz thru 11.5MHz   | CR109B/U<br>10MHz thru 11.5MHz                  | 3098-579-79                           | /85                         | Inficon EDC, Inc.                         |
| *CR112B/U<br>5MHz thru 20MHz      | CR112B/U<br>5MHz thru 20MHz                     | 3098-579-79                           | /88                         | Inficon EDC, Inc.                         |
| *CR117B/U<br>30MHz thru 62MHz     | CR117B/U<br>30MHz thru 62MHz                    | QA-277/LD3, 4 Jan 1968                | /93                         | Croven Crystals                           |
| *CR117B/U<br>30MHz thru 61MHz     | CR117B/U<br>30MHz thru 61MHz                    | 3098-280-73                           | /93                         | M-tron Industries, Inc.                   |
| *CR117B/U<br>16MHz thru 61MHz     | CR117B/U<br>16MHz thru 61MHz                    | 3098-3829-13                          | /93                         | Precision Devices, Inc. (PDI)             |
| *CR119B/U<br>920KHz thru 20MHz    | CR119B/U<br>920KHz thru 20MHz                   | 3098-35-71                            | /95                         | Bliley Technologies, Inc.                 |
| *CR119B/U<br>2.25MHz thru 20MHz   | CR119B/U<br>2.25MHz thru 20MHz                  | 3098-3829-13                          | /95                         | Precision Devices, Inc. (PDI)             |
| *CR125B/U<br>1.85MHz thru 3.05MHz | CR125B/U<br>1.85MHz thru 3.05MHz                | 3098-35-71                            | /102                        | Bliley Technologies, Inc.                 |
| *CR125B/U<br>2.25MHz thru 20MHz   | CR125B/U<br>2.25MHz thru 20MHz                  | 3098-3829-13                          | /102                        | Precision Devices, Inc. (PDI)             |
| *CR129B/U<br>9MHz thru 12MHz      | CR129B/U<br>9MHz thru 12MHz                     | 3098-579-79                           | /110                        | Inficon EDC, Inc.                         |
| *CR130B/U<br>920KHz thru 20MHz    | CR130B/U<br>920KHz thru 20MHz                   | 3098-35-71                            | /109                        | Bliley Technologies, Inc.                 |
| *CR130B/U<br>2.25MHz thru 20MHz   | CR130B/U<br>2.25MHz thru 20MHz                  | 3098-3829-13                          | /109                        | Precision Devices, Inc. (PDI)             |
| *CR131B/U<br>920KHz thru 20MHz    | CR131B/U<br>920KHz thru 20MHz                   | 3098-33-71                            | /120                        | Bliley Technologies, Inc.                 |
| *CR131B/U<br>1MHz thru 20MHz      | CR131B/U<br>1MHz thru 20MHz                     | 3098-655-67                           | /120                        | M-tron Industries, Inc.                   |
| *CR131B/U<br>2.25MHz thru 20MHz   | CR131B/U<br>2.25MHz thru 20MHz                  | 3098-3829-13                          | /120                        | Precision Devices, Inc. (PDI)             |

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|---------------------------------|-------------------------------------------------|---------------------------------------|-----------------------------|-------------------------------------------|
| *CR134B/U<br>18MHz thru 21MHz   | CR134B/U<br>18MHz thru 21MHz                    | 3098-579-79                           | /113                        | Inficon EDC, Inc.                         |
| *CR135B/U<br>10MHz thru 12MHz   | CR135B/U<br>10MHz thru 12MHz                    | 3098-579-79                           | /114                        | Inficon EDC, Inc.                         |
| *CR136B/U<br>8MHz thru 10MHz    | CR136B/U<br>8MHz thru 10MHz                     | 3098-579-79                           | /115                        | Inficon EDC, Inc.                         |
| *CR137B/U<br>8.5MHz thru 19MHz  | CR137B/U<br>8.5MHz thru 19MHz                   | 3098-579-79                           | /116                        | Inficon EDC, Inc.                         |
| *CR139B/U<br>20MHz thru 22MHz   | CR139B/U<br>20MHz thru 22MHz                    | 3098-572-03; QA-690/E2, 2 Dec 1971    | /118                        | Croven Crystals                           |
| *CR139B/U<br>20MHz thru 22MHz   | CR139B/U<br>20MHz thru 22MHz                    | 3098-450-76                           | /118                        | Inficon EDC, Inc.                         |
| *CR139B/U<br>20MHz thru 22MHz   | CR139B/U<br>20MHz thru 22MHz                    | 3098-261-68                           | /118                        | M-tron Industries, Inc.                   |
| *CR139B/U<br>20MHz thru 22MHz   | CR139B/U<br>20MHz thru 22MHz                    | 3098-572-03                           | /118                        | Precision Devices, Inc. (PDI)             |
| *CR141B/U<br>50MHz thru 90MHz   | CR141B/U<br>50MHz thru 90MHz                    | QA-180/D3, 28 Jan 1969                | /122                        | Croven Crystals                           |
| *CR142B/U<br>833KHz thru        | CR142B/U<br>833KHz thru                         | 3098-415-69, AF Ltr dtd 8 Mar 73      | /123                        | M-tron Industries, Inc.                   |
| *CR152B/U<br>16MHz thru 61MHz   | CR152B/U<br>16MHz thru 61MHz                    | 3098-280-73                           | /133                        | M-tron Industries, Inc.                   |
| *CR152B/U<br>16MHz thru 61MHz   | CR152B/U<br>16MHz thru 61MHz                    | 3098-3829-13                          | /133                        | Precision Devices, Inc. (PDI)             |
| *CR157B/U<br>920KHz thru 20MHz  | CR157B/U<br>920KHz thru 20MHz                   | 3098-35-71                            | /137                        | Bliley Technologies, Inc.                 |
| *CR157B/U<br>1MHz thru 20MHz    | CR157B/U<br>1MHz thru 20MHz                     | QA-118/ALD3, 11 Dec 1967              | /137                        | Croven Crystals                           |
| *CR157B/U<br>1MHz thru 20MHz    | CR157B/U<br>1MHz thru 20MHz                     | 3098-654-67                           | /137                        | M-tron Industries, Inc.                   |
| *CR157B/U<br>2.25MHz thru 20MHz | CR157B/U<br>2.25MHz thru 20MHz                  | 3098-3829-13                          | /137                        | Precision Devices, Inc. (PDI)             |

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Bliley Technologies, Inc. (CAGE Code: 71034)**

Location: 2545 West Grandview Boulevard, Erie, PA 16508-0428, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Croven Crystals (CAGE Code: 00809)**

Location: Wenzel International, Inc., P.O. Box 420, 500 Beech Street, Whitby, Ontario L1N 5S5, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Inficon EDC, Inc. (CAGE Code: 18853)**

Location: 9075 Cody Street, Overland Park, KS 66214-1730, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: M-tron Industries, Inc. (CAGE Code: 23875)**

Location: P.O. Box 630, 100 Douglas Avenue, Yankton, SD 57078-0630, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Precision Devices, Inc. (CAGE Code: 0S4G1)**

Location: P.O. Box 620155, 8840 N. Greenvue Drive, Middleton, WI 53562-0155, US

Plants:

1. Plant: Same Address as Manufacturer