



QUALIFICATIONS VALIDATED  
EVERY TWO YEARS

QPL-55310-66  
09-Jun-04  
SUPERSEDING  
QPL-55310-65  
29-Aug-02

QUALIFIED PRODUCTS LIST  
OF  
PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION  
MIL-PRF-55310  
OSCILLATOR, CRYSTAL CONTROLLED,  
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-55310. 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 the Defense Supply Center Columbus (DSCCVQ), Columbus, OH 43216-5000.

NOTE: \* PLUS (+) FREQUENCY TO BE ADDED TO ALL M55310 PART NUMBERS.

| GOVERNMENT<br>DESIGNATION                          | MANUFACTURER'S<br>DESIGNATION OR<br>TYPE NUMBER   | TEST OR<br>QUALIFICATION<br>REFERENCE         | SUPPLIER'S NAME<br>(ADDRESS ON LAST PAGE) |
|--|---|---|---|
| <b>PART I</b>                                      |   |   |   |
| *M55310/8-B03A thru -09A<br>(375K0000 - 50M00000)  | M55310/8-B03A thru -09A<br>(375K0000 - 50M00000)  | 55310-081-97                                  | Corning Frequency Control                 |
| *M55310/8-B01A thru -10A<br>(50H00000 - 50M00000)  | M55310/8-B01A thru -10A<br>(50H00000 - 50M00000)  | 55310-1089-78                                 | Q-TECH Corporation                        |
| *M55310/8-B08A thru -09A<br>(20M00000 - 50M00000)  | C0402   | 55310-52-82<br>55310-53-82<br>55310-54-82     | Vectron International Nowalk, Inc.        |
| *M55310/8-B01A thru -10A<br>(100H0000 - 50M00000)  | XM 8  | 55310-1601-85                                 | Xsis Electronics, Inc.                    |
| *M55310/9-B01A thru -21A<br>(400K0000 - 60M00000)  | MC717A1-058, MC717A1-062                          | 55310-48-95<br>55310-49-95                    | Corning Frequency Control                 |
| *M55310/9-B01A thru -25A<br>(400K0000 - 60M00000)  | M55310/9-B01A thru -25A<br>(400K0000 - 60M00000)  | 55310-1089-78<br>55310-155-95<br>55310-005-99 | Q-TECH Corporation                        |
| *M55310/10-B01A thru -37A<br>(1K000000 - 30M00000) | M55310/10-B01A thru -37A<br>(1K000000 - 30M00000) | 55310-25-79                                   | Corning Frequency Control                 |
| *M55310/10-B01A thru -37A<br>(1K000000 - 60M00000) | M55310/10-B01A thru -37A<br>(1K000000 - 60M00000) | 55310-006-99<br>55310-1089-78<br>55310-188-95 | Q-TECH Corporation                        |

| GOVERNMENT DESIGNATION                               | MANUFACTURER'S DESIGNATION OR TYPE NUMBER         | TEST OR QUALIFICATION REFERENCE           | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|--|---|---|--|
| <b>PART I</b>  |   |   |  |
| *M55310/11-B01A thru -06A<br>(50K00000 - 10M00000)   | M55310/11-B01A thru -06A<br>(50K00000 - 10M00000) | 55310-1089-78                             | Q-TECH Corporation                     |
| *M55310/11-B01A thru -06A<br>(50K00000 - 10M00000)   | XM 11   | 55310-1601-85                             | Xsis Electronics, Inc.                 |
| *M55310/12-B01A thru -06A<br>(50K00000 - 10M00000)   | M55310/12-B01A thru -06A<br>(50K00000 - 10M00000) | 55310-1089-78                             | Q-TECH Corporation                     |
| *M55310/13-B01A thru -06A<br>(300H0000 - 10M00000)   | M55310/13-B01A thru -06A<br>(300H0000 - 10M00000) | 55310-1089-78                             | Q-TECH Corporation                     |
| *M55310/14-B04A thru -09A<br>(375K0000 - 25M00000)   | M55310/14-B04A thru -09A<br>(375K0000 - 25M00000) | 55310-25-79                               | Corning Frequency Control              |
| *M55310/14-B01A thru -09A<br>(H1000000 - 25M00000)   | M55310/14-B01A thru -09A<br>(H1000000 - 25M00000) | 55310-1089-78                             | Q-TECH Corporation                     |
| *M55310/14-B01A thru -09A<br>(100H0000 - 25M00000)   | XM 14   | 55310-1601-85                             | Xsis Electronics, Inc.                 |
| *M55310/15-B01A thru -07A<br>(H0100000 - 10M00000)   | M55310/15-B01A thru -07A<br>(H0100000 - 10M00000) | 55310-1078-78                             | Q-TECH Corporation                     |
| *M55310/15-B01A thru -07A<br>(30H00000 - 10M00000)   | M55310/15-B01A thru -07A<br>(30H00000 - 10M00000) | 55310-1601-85                             | Xsis Electronics, Inc.                 |
| *M55310/16-B01A thru -44A<br>(H1000000 - 80M00000)   | M55310/16-B01A thru -44A<br>(H1000000 - 80M00000) | 55310-25-79                               | Corning Frequency Control              |
| *M55310/16-B31A thru -44A<br>(12.8M00000 - 40M00000) | 014N-12800 Thru -40004 XCBEXX                     | 55310-543-03                              | Precision Devices, Inc.                |
| *M55310/16-B01A thru -44A<br>(H1000000 - 80M00000)   | M55310/16-B01A thru -44A<br>(H1000000 - 80M00000) | 55310-1089-78<br>55310-132-95             | Q-TECH Corporation                     |
| *M55310/16-B01A thru -44A<br>(H1000000 - 60M00000)   | CO-402F-5   | 55310-52-82<br>55310-53-82<br>55310-54-82 | Vectron International Nowalk, Inc.     |
| *M55310/16-S11B thru -44B<br>(16K00000 - 60M00000)   | CO-402D-25  | 55310-6-86                                | Vectron International Nowalk, Inc.     |
| *M55310/16-B01A thru -44A<br>(100H0000 - 60M00000)   | XM 16   | 55310-1601-85                             | Xsis Electronics, Inc.                 |

| GOVERNMENT DESIGNATION                             | MANUFACTURER'S DESIGNATION OR TYPE NUMBR          | TEST OR QUALIFICATION REFERENCE | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|--|---|---------------------------------|--|
| <b>PART I</b>                                      |   |                                 |  |
| *M55310/17-B01A thru -24A<br>(250K0000 - 50M00000) | M55310/17-B01A thru -24A<br>(250K0000 - 50M00000) | 55310-25-79<br>55310-308-81     | Corning Frequency Control              |
| *M55310/17-B01A thru -24A<br>(250K0000 - 50M00000) | M55310/17-B01A thru -24A<br>(250K0000 - 50M00000) | 55310-1228-83                   | Q-TECH Corporation                     |
| *M55310/17-B01A thru -24A<br>(250K0000 - 50M00000) | XM 17-B11A  | 55310-1601-85                   | Xsis Electronics, Inc.                 |
| *M55310/18-B01A thru -42A<br>(H1000000 - 15M00000) | M55310/18-B01A thru -42A<br>(H1000000 - 15M00000) | 55310-183-83                    | Corning Frequency Control              |
| *M55310/18-B01A thru -42A<br>(H0100000 - 15M00000) | M55310/18-B01A thru -42A<br>(H0100000 - 15M00000) | 55310-1229-83                   | Q-TECH Corporation                     |
| *M55310/18-B01A thru -42A<br>(H100000 - 15M00000)  | CO-412A   | 55310-288-83                    | Vectron International Nowalk, Inc.     |
| *M55310/18-B01A thru -42A<br>(5H250000 - 15M00000) | XM 18-B01A  | 55310-1601-85                   | Xsis Electronics, Inc.                 |
| *M55310/19-B01A thru -22A<br>(1M000000 - 60M00000) | M55310/19-B01A thru -22A<br>(1M000000 - 60M00000) | 55310-69-95                     | Corning Frequency Control              |
| *M55310/19-B01A thru -23A<br>(1M000000 - 60M00000) | M55310/19-B01A thru -23A<br>(1M000000 - 60M00000) | 55310-384-89<br>55310-67-95     | Q-TECH Corporation                     |
| *M55310/19-B01A thru -23A<br>(1M000000 - 60M00000) | XM 19-B01A  | 55310-889-87                    | Xsis Electronics, Inc.                 |
| *M55310/20-B01A thru -03A<br>(1M000000 - 14M00000) | M55310/20-B01A thru -03A<br>(1M000000 - 14M00000) | 55310-313-89                    | Corning Frequency Control              |
| *M55310/20-B11A thru -13A<br>(14M00000 - 30M00000) | M55310/20-B11A thru -13A<br>(14M00000 - 30M00000) | 55310-313-89                    | Corning Frequency Control              |
| *M55310/20-B21A thru -23A<br>(30M00000 - 60M00000) | M55310/20-B21A thru -23A<br>(30M00000 - 60M00000) | 55310-313-89                    | Corning Frequency Control              |
| *M55310/20-B01A thru -23A<br>(40K00000 - 60M00000) | M55310/20-B01A thru -23A<br>(40K00000 - 60M00000) | 55310-385-89                    | Q-TECH Corporation                     |
| *M55310/21-B01A thru -23A<br>(1M000000 - 60M00000) | MC061A1-030                                       | 55310-86-95                     | Corning Frequency Control              |
| *M55310/21-B01A thru -23A<br>(1M000000 - 60M00000) | MC061A1-029                                       | 55310-86-95                     | Corning Frequency Control              |
| *M55310/21-B01A thru -23A<br>(1M000000 - 60M00000) | MC061A1-031                                       | 55310-86-95                     | Corning Frequency Control              |

| GOVERNMENT DESIGNATION                             | MANUFACTURER'S DESIGNATION OR TYPE NUMBFR         | TEST OR QUALIFICATION REFERENCE              | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|--|---|--|--|
| <b>PART I</b>                                      |   |  |  |
| *M55310/21-B01A thru -23A<br>(1M000000 - 60M00000) | MC061A1-032                                       | 55310-86-95                                  | Corning Frequency Control              |
| *M55310/21-B01A thru -41A<br>(1M000000 - 60M00000) | M55310/21-B01A thru -41A<br>(1M000000 - 60M00000) | 55310-013-00                                 | Q-TECH Corporation                     |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC771A1-061                                       | 55310-135-92                                 | Corning Frequency Control              |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC770A1-005                                       | 55310-135-92                                 | Corning Frequency Control              |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC771A1-062                                       | 55310-135-92                                 | Corning Frequency Control              |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC770A1-006                                       | 55310-135-92                                 | Corning Frequency Control              |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC770A1-007                                       | 55310-135-92                                 | Corning Frequency Control              |
| *M55310/25-B06A thru -37A<br>(40M00000 - 125M0000) | MC771A1-060                                       | 55310-135-92                                 | Corning Frequency Control              |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/25-B02A thru -75A<br>(25M00000 - 175M0000) | M55310/25-B02A thru -75A<br>(25M00000 - 175M0000) | 55310-74-95                                  | Q-TECH Corporation                     |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/25-B02A thru -75A<br>(25M00000 - 175M0000) | C0-432D-2B  | 55310-209-91                                 | Vectron International Nowalk, Inc.     |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | MC748A1-043                                       | 55310-009-94<br>55310-010-97<br>55310-008-94 | Corning Frequency Control              |
| *M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | MC748A1-046                                       | 55310-008-94<br>55310-009-94<br>55310-010-94 | Corning Frequency Control              |
| *M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | MC748A1-044                                       | 55310-008-94<br>55310-009-94<br>55310-010-94 | Corning Frequency Control              |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | 55310-12-92<br>55310-133-95                  | Q-TECH Corporation                     |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/26-B02A thru -67A<br>(10K00000 - 65M00000) | C0-4420-2B  | 55310-210-91                                 | Vectron International Nowalk, Inc.     |
| <b>(NOTE: Configurations A and B)</b>              |   |  |  |
| *M55310/26-B02A thru -66A<br>(10K00000 - 65M00000) | XM 26BXXX   | 55310-017-97                                 | Xsis Electronics, Inc.                 |
| *M55310/27-B01A thru -34A<br>(1M000000 - 85M00000) | M55310/27-B01A thru -34A<br>(1M000000 - 85M00000) | 55310-164-98                                 | Corning Frequency Control              |

| GOVERNMENT<br>DESIGNATION                          | MANUFACTURER'S<br>DESIGNATION OR<br>TYPE NUMBER   | TEST OR<br>QUALIFICATION<br>REFERENCE | SUPPLIER'S NAME<br>(ADDRESS ON LAST PAGE) |
|--|---|---------------------------------------|---|
| <b>PART I</b>                                      |   |                                       |   |
| *M55310/27-B01A thru -31A<br>(1M000000 - 85M00000) | M55310/27-B01A thru -31A<br>(1M000000 - 85M00000) | 55310-164-98                          | Q-TECH Corporation                        |
| *M55310/28-B01A thru -34A<br>(1M000000 - 85M00000) | M55310/28-B01A thru -34A<br>(1M000000 - 85M00000) | 55310-165-98                          | Corning Frequency Control                 |
| *M55310/28-B01A thru -31A<br>(1M000000 - 85M00000) | M55310/28-B01A thru -31A<br>(1M000000 - 85M00000) | 55310-029-00                          | Q-TECH Corporation                        |
| *M55310/29-B01A thru -41A<br>(200K0000 - 85M00000) | M55310/29-B01A thru -41A<br>(200K0000 - 85M00000) | 55310-030-00                          | Q-TECH Corporation                        |

**PART II**

The following products listed herein are reciprocal listings based on the NATO Standardization agreement (STANAG) 4093 or International Standardization Agreements.

These devices are listed in the QPL of the concerned nation and, according to the qualifying authority of that nation, the devices meet the requirements for such listing. The products were completely manufactured, assembled, and tested in the concerned nation in accordance with the requirements of that nation. No review has been made by our qualifying activity of the manufacturing or test facilities or test report. Furthermore, no determination of equivalency has been conducted.

NOTE: No devices listed are to be JAN branded or marked with the failure rate level but should be marked with the appropriate national part numbers and identifiers, as applicable.

| NATIONAL PART NUMBER | NATIONAL DEVICE SPECIFICATION NUMBER | NATIONAL QPL                    | TEST REPORT NUMBER  | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|----------------------|--------------------------------------|---------------------------------|---------------------|--|
| BS 9625 F0017        | SQ0 2100                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |
| BS 9625 F0017        | SQ0 2200                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |
| BS 9625 F0017        | SQ0 2300                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |
| BS 9625 F0017        | SQ0 2500                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |
| BS 9625 F0017        | SQ0 2600                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |
| BS 9625 F0017        | SQ0 2700                             | Def Stan 59-59 Sect 11A, Page 2 | 8289-2, Dtd 4-12-89 | CMAC Quartz Crystals                   |

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**Manufacturer and Supplier Location Information**

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**Manufacturer: CMAC Quartz Crystals (CAGE Code: K3809)**

Location: 20-22 Edinburgh Way, Harlow, Essex CM20 2DE, England

**Manufacturer: Corning Frequency Control (CAGE Code: 00136)**

Location: P.O. Box B, 100 Watts Street, Mt. Holly Springs, PA 17065-1821, US

Plant Location: Same Address as Manufacturer

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

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

Plant Location: Same Address as Manufacturer

**Manufacturer: Q-TECH Corporation (CAGE Code: 51774)**

Location: 10150 W. Jefferson Boulevard, Culver City, CA 90232-3502, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Vectron International Norwalk, Inc. (CAGE Code: 27802)**

Location: 166 Glover Avenue, Norwalk, CT 06850, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Xsis Electronics, Inc. (CAGE Code: 57051)**

Location: 12620 West 63rd Street, Shawnee, KS 66216-1845, US

Plant Location: Same Address as Manufacturer