



N Coaxial Connectors

Medium size. Threaded coupling. Weatherproof. TFE insulation. **Impedance:** 50 Ω. **Frequency:** 0-11 GHz. **Voltage:** 1500 V peak. **Materials:** Body — brass with ASTRONplate® finish or silver for M39012; Contacts — male - brass, female - phosphor bronze; silver or gold plated.

Straight Plugs — Male Contact

| Stock No. | Mfr.'s Type   | Fig. | MIL Type        | Cable Term.   | For RG/U Cable                                            | EACH  |       |         |
|-----------|---------------|------|-----------------|---------------|-----------------------------------------------------------|-------|-------|---------|
|           |               |      |                 |               |                                                           | 1-24  | 25-99 | 100-249 |
| 713-3345  | 82-340        | A    | M39012/01-80007 | Crimp-crimp   | 8, 213                                                    | 8.57  | 7.07  | 6.00    |
| 713-3311  | 82-61         | B    | UG-21B          | Clamp-solder  | 8, 9, 213, 214, 225                                       | 8.08  | 6.67  | 5.66    |
| 713-8015  | 82-202        | B    | UG-21D          | Clamp-solder  | 8, 9, 213, 214, 225                                       | 7.09  | 5.74  | 4.88    |
| 713-9160  | 82-202-RFX    | B    | —               | Clamp-solder  | 8, 9, 144, 165, 213, 214, 216, 225                        | 5.02  | 4.07  | 3.45    |
| 713-8016  | 82-312        | B    | UG-1185         | Clamp-solder  | 9, 213, 214, 225                                          | 6.76  | 5.64  | 4.83    |
| 713-8678  | 34000         | B    | UG-536          | Clamp-solder  | 58, 141, 142                                              | 17.82 | 14.85 | 12.61   |
| 713-9994  | 82-5370       | A    | —               | Crimp-crimp   | 55, 142, 225                                              | 6.71  | 5.43  | 4.61    |
| 713-9997  | 82-5375       | A    | —               | Crimp-crimp   | 58, 141                                                   | 6.92  | 5.60  | 4.75    |
| 713-9167  | 82-5375-RFX   | A    | —               | Crimp-crimp   | 58, 141, 142                                              | 4.04  | 3.27  | 2.77    |
| 713-9762  | 34025         | B    | UG-536B         | Clamp-solder  | 58, 141, 142A, 400                                        | 7.34  | 5.95  | 5.05    |
| 713-9016  | 34025-RFX     | B    | —               | Clamp-solder  | 58, 141, 142A, 400                                        | 4.70  | 3.80  | 3.23    |
| 713-9162  | 82-5380-RFX   | B    | —               | Crimp-crimp   | 59, 62                                                    | 3.14  | 2.55  | 2.16    |
| 713-9765  | 34525         | B    | UG-603A         | Clamp-solder  | 59, 62, 71, 140, 210                                      | 11.20 | 9.33  | 7.92    |
| 713-3347  | 82-4427       | A    | M39012/01-0503  | Crimp-crimp   | 142, 400                                                  | 12.15 | 10.13 | 8.60    |
| 713-3349  | 82-4425       | A    | M39012/01-0501  | Crimp-crimp   | 214, 225, 393                                             | 9.72  | 8.03  | 6.81    |
| 713-9992  | 82-202-1006   | B    | —               | Clamp-solder  | Belden 9913, LMR400                                       | 8.48  | 6.72  | 4.90    |
| 713-3346  | 82-340-1052   | A    | —               | Crimp-crimp   | Belden 9913, 9914                                         | 9.38  | 7.75  | 6.57    |
| 713-3420  | 82-4426-1001  | A    | —               | Crimp-crimp   | Ethernet® cables                                          | 14.85 | 12.27 | 10.42   |
| 713-9165  | 82-4426-11RFX | A    | —               | Crimp-crimp   | Belden 89880, 9880                                        | 3.93  | 3.27  | 2.81    |
| 713-9164  | 82-5955-RFX   | A    | —               | Direct solder | Ethernet® cables<br>Belden 89880, 9880<br>Semi-rigid .141 | 3.51  | 2.92  | 2.51    |

Right Angle Plug

|          |         |   |                |             |               |       |       |       |
|----------|---------|---|----------------|-------------|---------------|-------|-------|-------|
| 713-3360 | 82-5374 | C | —              | Crimp-crimp | 55, 142, 223, | 37.88 | 31.57 | 27.06 |
| 713-3388 | 82-4440 | C | M39012/05-0501 | Crimp-crimp | 214, 225, 393 | 21.67 | 18.06 | 15.48 |

Type N Straight Jack — Female Contact

|          |             |   |        |              |                         |      |      |      |
|----------|-------------|---|--------|--------------|-------------------------|------|------|------|
| 713-3313 | 82-63       | D | UG-23B | Clamp-solder | 8, 9, 87, 213, 214, 225 | 9.11 | 7.51 | 6.38 |
| 713-9158 | 82-63-RFX   | D | —      | Clamp-solder | 8, 213, 214             | 4.80 | 3.89 | 3.30 |
| 713-9168 | 82-6092-RFX | E | —      | Crimp        | 58, 141                 | 2.68 | 2.17 | 1.85 |

Type N Female Panel Receptacles

|          |           |   |        |            |   |      |      |      |
|----------|-----------|---|--------|------------|---|------|------|------|
| 713-3336 | 82-97     | F | UG-58A | Solder cup | — | 7.91 | 6.40 | 5.44 |
| 713-9170 | 82-97-RFX | F | —      | Solder cup | — | 4.30 | 3.46 | 2.95 |

Type N Male Panel Receptacle-Plug Mating Face

|          |       |   |   |            |   |       |       |       |
|----------|-------|---|---|------------|---|-------|-------|-------|
| 713-9795 | 49000 | G | — | Solder cup | — | 15.97 | 13.31 | 11.29 |
|----------|-------|---|---|------------|---|-------|-------|-------|

Type N Female Front-Mounted Bulkhead Receptacle

|          |        |   |          |            |   |       |       |       |
|----------|--------|---|----------|------------|---|-------|-------|-------|
| 713-3378 | 82-811 | H | UG-680/U | Solder cup | — | 26.35 | 21.96 | 18.83 |
|----------|--------|---|----------|------------|---|-------|-------|-------|

Ethernet® is a Xerox Trademark. \*Copolymer of styrene insulation. \*\*Pressurized.

Type N Panel Jacks — Female Contact

| Stock No. | Mfr.'s Type | Fig. | MIL Type   | Cable Term.  | For RG/U Cable                          | EACH  |       |         |
|-----------|-------------|------|------------|--------------|-----------------------------------------|-------|-------|---------|
|           |             |      |            |              |                                         | 1-24  | 25-99 | 100-249 |
| 713-3358  | 82-5372     | I    | —          | Crimp-crimp  | 55, 141, 142                            | 12.28 | 10.23 | 8.69    |
| 713-3312  | 82-62       | J    | UG/22B/U   | Clamp-solder | 8, 9, 87A, 144, 165, 213, 214, 216, 225 | 11.99 | 9.99  | 8.57    |
| 713-9778  | 36250       | J    | UG-1095A/U | Clamp-solder | 55, 58, 141                             | 19.96 | 16.63 | 14.12   |

Type N Bulkhead Jacks — Female Contact

|          |             |   |           |               |                         |       |       |       |
|----------|-------------|---|-----------|---------------|-------------------------|-------|-------|-------|
| 713-9155 | 82-346-RFX  | K | —         | Crimp-crimp   | 8, 213                  | 4.64  | 3.87  | 3.32  |
| 713-3317 | 82-67       | — | UG-160A/U | Clamp-solder  | 8, 9, 87, 213, 214, 225 | 47.19 | 39.32 | 33.71 |
| 713-9988 | 82-5373     | K | —         | Crimp-crimp   | 55, 142, 223            | 8.98  | 7.40  | 6.28  |
| 713-9993 | 82-5378     | K | —         | Crimp-crimp   | 58, 141                 | 19.13 | 15.95 | 13.53 |
| 713-9161 | 82-5378-RFX | K | —         | Crimp-crimp   | 58, 141                 | 4.45  | 3.61  | 3.06  |
| 713-9169 | 82-6093-RFX | K | —         | Crimp-crimp   | 174, 188, 316           | 4.73  | 3.94  | 3.38  |
| 713-9166 | 82-6096-RFX | K | —         | Direct-solder | Semi-rigid .085         | 5.35  | 4.46  | 3.83  |

Type N Adapters

|          |            |   |          |           |   |       |      |      |
|----------|------------|---|----------|-----------|---|-------|------|------|
| 713-3340 | 82-100     | L | UG-57B   | Plug-plug | — | 10.12 | 8.34 | 7.09 |
| 713-9180 | 82-100-RFX | L | —        | Plug-plug | — | 6.14  | 4.97 | 4.21 |
| 713-3330 | 82-101     | M | UG-29B   | Jack-jack | — | 10.73 | 8.86 | 7.52 |
| 713-9175 | 82-101-RFX | M | —        | Jack-jack | — | 4.37  | 3.54 | 3.00 |
| 713-3315 | 82-65      | M | UG-29A/U | Jack-jack | — | 11.37 | 9.47 | 8.04 |

Type N Angle Adapters

|          |           |   |        |           |   |       |       |       |
|----------|-----------|---|--------|-----------|---|-------|-------|-------|
| 713-3314 | 82-64     | N | UG-27A | Plug-jack | — | 21.79 | 18.15 | 15.41 |
| 713-9159 | 82-64-RFX | P | —      | Plug-jack | — | 7.46  | 6.22  | 5.28  |
| 713-8020 | 82-213    | P | UG-27C | Plug-jack | — | 19.38 | 16.16 | 13.72 |

Type N Bulkhead Adapter

|          |        |   |       |             |   |       |       |       |
|----------|--------|---|-------|-------------|---|-------|-------|-------|
| 713-3316 | 82-66* | Q | UG-30 | Jack-jack** | — | 20.09 | 16.74 | 14.21 |
|----------|--------|---|-------|-------------|---|-------|-------|-------|

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Type N Tee Adapters

|          |        |         |                 |      |      |       |
|----------|--------|---------|-----------------|------|------|-------|
| 713-3350 | 82-102 | Fig. R. | Jack-plug-jack. | 1-24 | EACH | 54.94 |
| 25-99    |        |         |                 |      | EACH | 39.24 |
| 713-3355 | 82-99  | Fig. S. | Jack-jack-jack. | 1-24 | EACH | 53.93 |
| 25-99    |        |         |                 |      | EACH | 38.52 |

Accessories

|          |        |         |                              |      |      |       |
|----------|--------|---------|------------------------------|------|------|-------|
| 713-3342 | 82-106 | Fig. T. | Male Cap and Chain (MX-913). | 1-24 | EACH | 12.62 |
| 25-99    |        |         |                              |      | EACH | 9.02  |

N Terminators

|          |               |        |      |                         |      |      |      |
|----------|---------------|--------|------|-------------------------|------|------|------|
| 713-9172 | 82-5722-RFX   | Fig. V | Plug | 49.9 $\Omega$ , 1 W, 1% | 1-24 | EACH | 4.39 |
| 25-99    |               |        |      |                         |      | EACH | 3.56 |
| 713-9171 | 82-5721-10RFX | Fig. W | Jack | 49.9 $\Omega$ , 1 W, 1% | 1-24 | EACH | 4.28 |
| 25-99    |               |        |      |                         |      | EACH | 3.46 |

UHF Connectors

Non-constant impedance. Non-weatherproofed. Mica-filled phenolic insulation. **Peak Voltage Rating:** 500 V. Operates satisfactorily up to 300 MHz. Connectors with part numbers that end in -RFX meet or exceed military specifications, but are intended for commercial use only. Military specification numbers, where shown, are for reference only.

Straight Plugs — Male Contacts

| Stock No. | Mfr.'s Type  | Fig. | MIL Type | Cable Term.           | For RG/U Cable                                 | EACH |       |         |
|-----------|--------------|------|----------|-----------------------|------------------------------------------------|------|-------|---------|
|           |              |      |          |                       |                                                | 1-24 | 25-99 | 100-249 |
| 713-3518  | 83-1SP       | AA   | PL-259   | UG std. silver plated | 8, 9, 11, 13, 63, 87, 149, 213, 214, 216, 225  | 3.24 | 2.62  | 2.23    |
| 713-3519  | 83-1SP-1050  | AA   | PL-259   | UG std. nickel plated | 8, 9, 11, 13, 63, 87, 149, 213, 214, 216, 225  | 2.14 | 1.70  | 1.44    |
| 713-3562  | 83-822*      | AA   | PL-259A  | UG std. plated        | 8, 9, 11, 13, 63, 87, 149, 213, 214, 216, 225  | 3.47 | 2.81  | 2.39    |
| 713-9200  | 83-1SP-15RFX | AA   | —        | UG std. nickel plated | 8, 9, 11, 13, 63, 87A, 149, 213, 214, 216, 225 | 1.87 | 1.48  | 1.26    |
| 713-3554  | 83-750       | AA   | UG-111/U | Solder/solder         | 59, 62, 140, 210                               | 3.95 | 3.20  | 2.72    |
| 713-3537  | 83-58FCP     | BB   | —        | FCP clamp             | 58, 141                                        | 3.78 | 3.15  | 2.70    |
| 713-9215  | 83-58FCP-RFX | BB   | —        | FCP clamp             | 58, 141, 142                                   | 2.23 | 1.86  | 1.59    |
| 713-3505  | 83-58SP      | CC   | —        | Braid crimp           | 58, 141                                        | 4.71 | 3.93  | 3.37    |
| 713-8009  | 83-59SP      | CC   | —        | Braid crimp           | 58, 62, 140, 210                               | 6.07 | 5.06  | 4.34    |

Panel Receptacles

|          |           |    |         |                |   |      |      |      |
|----------|-----------|----|---------|----------------|---|------|------|------|
| 713-3514 | 83-1R     | DD | SO-239  | Standard       | — | 2.75 | 2.29 | 1.97 |
| 713-3559 | 83-798    | DD | SO-239A | TFE insulation | — | 4.85 | 3.94 | 2.96 |
| 713-9220 | 83-1R-RFX | DD | —       | Standard       | — | 2.83 | 2.30 | 1.96 |

Bulkhead Receptacles

|          |        |    |   |             |   |       |      |      |
|----------|--------|----|---|-------------|---|-------|------|------|
| 713-3564 | 83-875 | EE | — | Front mount | — | 10.66 | 8.80 | 7.58 |
|----------|--------|----|---|-------------|---|-------|------|------|

\*TFE insulation. \*\*Mica-filled phenolic. †For use with panel receptacles 83-1R, 83-1RTY, 83-716, 83-798.

Bulkhead Receptacles (continued)

| Stock No. | Mfr.'s Type | Fig. | MIL Type | Cable Term.             | For RG/U Cable | EACH |       |         |
|-----------|-------------|------|----------|-------------------------|----------------|------|-------|---------|
|           |             |      |          |                         |                | 1-24 | 25-99 | 100-249 |
| 713-3565  | 83-875-1002 | EE   | —        | Front mount, solder cup | —              | 9.17 | 7.56  | 6.42    |
| 713-8680  | 83-878      | FF   | —        | Rear mount**            | —              | 3.25 | 2.44  | 2.06    |
| 713-9225  | 83-878-RFX  | FF   | —        | Rear mount              | —              | 2.81 | 2.35  | 2.01    |

Adapters — Polystyrene Insulation

|          |        |    |          |                    |   |       |       |      |
|----------|--------|----|----------|--------------------|---|-------|-------|------|
| 713-3512 | 83-1J  | GG | PL-258   | Straight/jack-jack | — | 4.43  | 3.70  | 3.17 |
| 713-3507 | 83-1F  | HH | UG-363   | Bulkhead/jack-jack | — | 12.62 | 10.52 | 9.02 |
| 713-3503 | 83-1AP | JJ | UG-646   | Angle/jack-plug    | — | 7.62  | 6.17  | 5.24 |
| 713-3523 | 83-1T  | KK | M-358    | Tee/jack-plug-jack | — | 11.10 | 9.16  | 7.78 |
| 713-3567 | 83-877 | —  | Straight | Plug-plug          | — | 11.51 | 9.60  | 8.14 |

Reducing Adapters

|          |            |    |        |   |                      |     |     |     |
|----------|------------|----|--------|---|----------------------|-----|-----|-----|
| 713-3547 | 83-185     | LL | UG-175 | — | 55, 58, 141, 142     | .65 | .54 | .47 |
| 713-3545 | 83-168     | LL | UG-176 | — | 59, 62, 71, 140, 210 | .84 | .70 | .60 |
| 713-9235 | 83-185-RFX | LL | —      | — | 58, 141, 142         | .53 | .40 | .33 |
| 713-9240 | 83-168-RFX | LL | —      | — | 59, 62, 71, 140, 210 | .40 | .33 | .29 |

Hood

|          |         |    |        |   |         |      |      |      |
|----------|---------|----|--------|---|---------|------|------|------|
| 713-8011 | 83-765† | MM | UG-177 | — | 58, 141 | 2.23 | 1.81 | 1.53 |
|----------|---------|----|--------|---|---------|------|------|------|

\*TFE insulation. \*\*Mica-filled phenolic. †For use with panel receptacles 83-1R, 83-1RTY, 83-716, 83-798.

Accessories

|          |        |          |                     |      |      |       |
|----------|--------|----------|---------------------|------|------|-------|
| 713-3502 | 83-1AC | Fig. NN. | Male Cap and Chain. | 1-24 | EACH | 11.37 |
| 25-99    |        |          |                     |      | EACH | 7.96  |