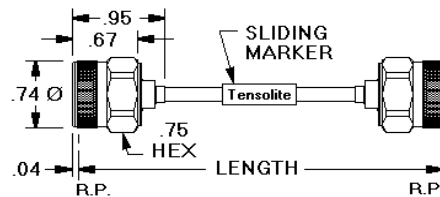


| ELECTRICAL SPECIFICATIONS                                   |                   |      |      |      |      |      |
|-------------------------------------------------------------|-------------------|------|------|------|------|------|
| IMPEDANCE, NOMINAL:                                         | 50 OHMS           |      |      |      |      |      |
| CAPACITANCE NOMINAL:                                        | 29.4 ptf/FOOT     |      |      |      |      |      |
| VELOCITY OF PROPAGATION, NOMINAL:                           | 70.7 %            |      |      |      |      |      |
| INSULATION RESISTANCE:                                      | 1000 MEGOHMS MIN. |      |      |      |      |      |
| DIELECTRIC WITHSTANDING VOLTAGE:                            | 1500 VRMS MIN.    |      |      |      |      |      |
| ELECTRIC DELAY:                                             | 1.44 ns/FOOT      |      |      |      |      |      |
| ELECTRICAL DELAY:                                           | 120 ps/INCH       |      |      |      |      |      |
| MAX. PULSE RF POWER:                                        | 1250 WATTS        |      |      |      |      |      |
| (INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING) |                   |      |      |      |      |      |
| F (IN GHZ) ----->                                           | 1                 | 2    | 4    | 6    | 12   | 18   |
| MAX. CW WATTS -->                                           | 200               | 136  | 91   | 71   | 46   | 36   |
| PHASE STABILITY DEG                                         | 0.2               | 0.3  | 0.7  | 1    | 2    | 3    |
| LOSS STABILITY dB                                           | 0.01              | 0.01 | 0.01 | 0.02 | 0.03 | 0.05 |
| CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS                |                   |      |      |      |      |      |

| MECHANICAL SPECIFICATIONS: |                                |
|----------------------------|--------------------------------|
| CABLE MAX. DIAMETER:       | 0.145 INCHES                   |
| MIN. BEND RADIUS:          | 0.19 INCHES                    |
| PREFERRED BEND RADIUS:     | 0.50 INCHES                    |
| CONNECTOR RETENTION:       | 50 POUNDS MIN.                 |
| TEMPERATURE RANGE:         | -65 to +105 DEGREES C          |
| MATING TORQUE:             | 7-10 INCH POUNDS               |
| CONNECTOR INTERFACE:       | MIL-STD-348 (WITH SOLID OUTER) |



| MATERIALS AND FINISHES                                        |                                       |                         |
|---------------------------------------------------------------|---------------------------------------|-------------------------|
| DESCRIPTION                                                   | MATERIAL                              | FINISH OR COLOR         |
| CABLE JACKET:                                                 | HIGH STRENGTH WIRE BRAID              | TIN FILLED              |
| MARKER:                                                       | MIL-I-23053/5                         | GRAY                    |
| SOLDER:                                                       | QQ-S-571                              | NONE                    |
| FLUX:                                                         | MIL-F-14256, RMA                      | NONE                    |
| CONTACTS:                                                     | ASTM-B-196, BeCu                      | MIL-G-45204 GOLD PLATED |
| INSULATORS:                                                   | ASTM-D-1710, PTFE                     | NONE                    |
| BODY:                                                         | ASTM-B-36, BRASS                      | QQ-S-365 SILVER PLATED  |
| NUT:                                                          | ASTM-B-36, BRASS                      | QQ-N-290 NICKEL PLATED  |
| AVAILABLE GASKET:                                             | ZZ-R-765 SILICON RUBBER               | RED                     |
| THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET. |                                       |                         |
| A USER INSTALLED TYPE N GASKET IS AVAILABLE.                  |                                       |                         |
| ORDER GASKET, PART NUMBER 5-1368-100-17.                      |                                       |                         |
| SOLVENTS:                                                     | NO OZONE DEPLETING MATERIALS ARE USED |                         |

| ITEM INFORMATION |  | MECHANICAL CHARACTERISTICS |               |                  | S11 AND S22 CHARACTERISTICS            |        |        |        |         |          |         |        |        |        | S12 AND S21 CHARACTERISTICS                     |          |         |        |        |        |         |          |  |  | NOM<br>DELAY<br>nS | LENGTH<br>CM |        |
|------------------|--|----------------------------|---------------|------------------|----------------------------------------|--------|--------|--------|---------|----------|---------|--------|--------|--------|-------------------------------------------------|----------|---------|--------|--------|--------|---------|----------|--|--|--------------------|--------------|--------|
| PART NUMBER      |  | LENGTH<br>INCHES           | + -<br>LENGTH | WEIGHT<br>OUNCES | MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) |        |        |        |         |          |         |        |        |        | MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) |          |         |        |        |        |         |          |  |  |                    |              |        |
|                  |  |                            |               |                  | UP TO 1                                | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12 | 12 TO 18 | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12                                         | 12 TO 18 | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12 | 12 TO 18 |  |  |                    |              |        |
| 1-1818-601- 3249 |  | 49.0                       | 0.20          | 3.6              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.61    | 0.88   | 1.31   | 1.65   | 2.51                                            | 3.28     | 5.87    |        |        |        |         |          |  |  |                    |              | 124.46 |
| 1-1818-601- 3250 |  | 50.0                       | 0.20          | 3.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.62    | 0.90   | 1.33   | 1.68   | 2.56                                            | 3.34     | 5.99    |        |        |        |         |          |  |  |                    |              | 127.00 |
| 1-1818-601- 3251 |  | 51.0                       | 0.20          | 3.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.63    | 0.91   | 1.36   | 1.71   | 2.61                                            | 3.40     | 6.11    |        |        |        |         |          |  |  |                    |              | 129.54 |
| 1-1818-601- 3252 |  | 52.0                       | 0.20          | 3.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.64    | 0.93   | 1.38   | 1.74   | 2.65                                            | 3.46     | 6.23    |        |        |        |         |          |  |  |                    |              | 132.08 |
| 1-1818-601- 3253 |  | 53.0                       | 0.20          | 3.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.65    | 0.95   | 1.40   | 1.77   | 2.70                                            | 3.52     | 6.35    |        |        |        |         |          |  |  |                    |              | 134.62 |
| 1-1818-601- 3254 |  | 54.0                       | 0.20          | 3.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.67    | 0.96   | 1.43   | 1.80   | 2.75                                            | 3.58     | 6.47    |        |        |        |         |          |  |  |                    |              | 137.16 |
| 1-1818-601- 3255 |  | 55.0                       | 0.20          | 3.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.68    | 0.98   | 1.45   | 1.83   | 2.79                                            | 3.64     | 6.59    |        |        |        |         |          |  |  |                    |              | 139.70 |
| 1-1818-601- 3256 |  | 56.0                       | 0.20          | 3.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.69    | 0.99   | 1.47   | 1.86   | 2.84                                            | 3.70     | 6.71    |        |        |        |         |          |  |  |                    |              | 142.24 |
| 1-1818-601- 3257 |  | 57.0                       | 0.20          | 3.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.70    | 1.01   | 1.50   | 1.89   | 2.89                                            | 3.76     | 6.83    |        |        |        |         |          |  |  |                    |              | 144.78 |
| 1-1818-601- 3258 |  | 58.0                       | 0.20          | 3.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.71    | 1.03   | 1.52   | 1.92   | 2.93                                            | 3.82     | 6.95    |        |        |        |         |          |  |  |                    |              | 147.32 |
| 1-1818-601- 3259 |  | 59.0                       | 0.20          | 4.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.72    | 1.04   | 1.55   | 1.95   | 2.98                                            | 3.89     | 7.07    |        |        |        |         |          |  |  |                    |              | 149.86 |
| 1-1818-601- 3260 |  | 60.0                       | 0.25          | 4.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.73    | 1.06   | 1.57   | 1.99   | 3.03                                            | 3.95     | 7.19    |        |        |        |         |          |  |  |                    |              | 152.40 |
| 1-1818-601- 3261 |  | 61.0                       | 0.25          | 4.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.74    | 1.07   | 1.59   | 2.02   | 3.07                                            | 4.01     | 7.31    |        |        |        |         |          |  |  |                    |              | 154.94 |
| 1-1818-601- 3262 |  | 62.0                       | 0.25          | 4.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.75    | 1.09   | 1.62   | 2.05   | 3.12                                            | 4.07     | 7.43    |        |        |        |         |          |  |  |                    |              | 157.48 |
| 1-1818-601- 3263 |  | 63.0                       | 0.25          | 4.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.76    | 1.11   | 1.64   | 2.08   | 3.17                                            | 4.13     | 7.55    |        |        |        |         |          |  |  |                    |              | 160.02 |
| 1-1818-601- 3264 |  | 64.0                       | 0.25          | 4.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.77    | 1.12   | 1.67   | 2.11   | 3.21                                            | 4.19     | 7.67    |        |        |        |         |          |  |  |                    |              | 162.56 |
| 1-1818-601- 3265 |  | 65.0                       | 0.25          | 4.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.78    | 1.14   | 1.69   | 2.14   | 3.26                                            | 4.25     | 7.79    |        |        |        |         |          |  |  |                    |              | 165.10 |
| 1-1818-601- 3266 |  | 66.0                       | 0.25          | 4.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.80    | 1.15   | 1.71   | 2.17   | 3.31                                            | 4.31     | 7.91    |        |        |        |         |          |  |  |                    |              | 167.64 |
| 1-1818-601- 3267 |  | 67.0                       | 0.25          | 4.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.81    | 1.17   | 1.74   | 2.20   | 3.36                                            | 4.37     | 8.03    |        |        |        |         |          |  |  |                    |              | 170.18 |
| 1-1818-601- 3268 |  | 68.0                       | 0.25          | 4.3              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.82    | 1.19   | 1.76   | 2.23   | 3.40                                            | 4.43     | 8.15    |        |        |        |         |          |  |  |                    |              | 172.72 |
| 1-1818-601- 3269 |  | 69.0                       | 0.25          | 4.3              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.83    | 1.20   | 1.78   | 2.26   | 3.45                                            | 4.49     | 8.27    |        |        |        |         |          |  |  |                    |              | 175.26 |
| 1-1818-601- 3270 |  | 70.0                       | 0.25          | 4.3              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.84    | 1.22   | 1.81   | 2.29   | 3.50                                            | 4.56     | 8.39    |        |        |        |         |          |  |  |                    |              | 177.80 |
| 1-1818-601- 3271 |  | 71.0                       | 0.25          | 4.3              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.85    | 1.23   | 1.83   | 2.32   | 3.54                                            | 4.62     | 8.51    |        |        |        |         |          |  |  |                    |              | 180.34 |
| 1-1818-601- 3272 |  | 72.0                       | 0.30          | 4.4              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.86    | 1.25   | 1.86   | 2.35   | 3.59                                            | 4.68     | 8.63    |        |        |        |         |          |  |  |                    |              | 182.88 |
| 1-1818-601- 3273 |  | 73.0                       | 0.30          | 4.4              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.87    | 1.27   | 1.88   | 2.38   | 3.64                                            | 4.74     | 8.75    |        |        |        |         |          |  |  |                    |              | 185.42 |
| 1-1818-601- 3274 |  | 74.0                       | 0.30          | 4.4              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.88    | 1.28   | 1.90   | 2.41   | 3.68                                            | 4.80     | 8.87    |        |        |        |         |          |  |  |                    |              | 187.96 |
| 1-1818-601- 3275 |  | 75.0                       | 0.30          | 4.5              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.89    | 1.30   | 1.93   | 2.44   | 3.73                                            | 4.86     | 8.99    |        |        |        |         |          |  |  |                    |              | 190.50 |
| 1-1818-601- 3276 |  | 76.0                       | 0.30          | 4.5              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.90    | 1.31   | 1.95   | 2.47   | 3.78                                            | 4.92     | 9.11    |        |        |        |         |          |  |  |                    |              | 193.04 |
| 1-1818-601- 3277 |  | 77.0                       | 0.30          | 4.5              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.91    | 1.33   | 1.98   | 2.50   | 3.82                                            | 4.98     | 9.23    |        |        |        |         |          |  |  |                    |              | 195.58 |
| 1-1818-601- 3278 |  | 78.0                       | 0.30          | 4.6              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.93    | 1.35   | 2.00   | 2.53   | 3.87                                            | 5.04     | 9.35    |        |        |        |         |          |  |  |                    |              | 198.12 |
| 1-1818-601- 3279 |  | 79.0                       | 0.30          | 4.6              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.94    | 1.36   | 2.02   | 2.56   | 3.92                                            | 5.10     | 9.47    |        |        |        |         |          |  |  |                    |              | 200.66 |
| 1-1818-601- 3280 |  | 80.0                       | 0.30          | 4.6              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.95    | 1.38   | 2.05   | 2.59   | 3.96                                            | 5.16     | 9.59    |        |        |        |         |          |  |  |                    |              | 203.20 |
| 1-1818-601- 3281 |  | 81.0                       | 0.30          | 4.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.96    | 1.39   | 2.07   | 2.62   | 4.01                                            | 5.23     | 9.71    |        |        |        |         |          |  |  |                    |              | 205.74 |
| 1-1818-601- 3282 |  | 82.0                       | 0.30          | 4.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.97    | 1.41   | 2.09   | 2.65   | 4.06                                            | 5.29     | 9.83    |        |        |        |         |          |  |  |                    |              | 208.28 |
| 1-1818-601- 3283 |  | 83.0                       | 0.30          | 4.7              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.98    | 1.43   | 2.12   | 2.68   | 4.10                                            | 5.35     | 9.95    |        |        |        |         |          |  |  |                    |              | 210.82 |
| 1-1818-601- 3284 |  | 84.0                       | 0.50          | 4.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 0.99    | 1.44   | 2.14   | 2.71   | 4.15                                            | 5.41     | 10.07   |        |        |        |         |          |  |  |                    |              | 213.36 |
| 1-1818-601- 3285 |  | 85.0                       | 0.50          | 4.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.00    | 1.46   | 2.17   | 2.74   | 4.20                                            | 5.47     | 10.19   |        |        |        |         |          |  |  |                    |              | 215.90 |
| 1-1818-601- 3286 |  | 86.0                       | 0.50          | 4.8              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.01    | 1.47   | 2.19   | 2.78   | 4.24                                            | 5.53     | 10.31   |        |        |        |         |          |  |  |                    |              | 218.44 |
| 1-1818-601- 3287 |  | 87.0                       | 0.50          | 4.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.02    | 1.49   | 2.21   | 2.81   | 4.29                                            | 5.59     | 10.43   |        |        |        |         |          |  |  |                    |              | 220.98 |
| 1-1818-601- 3288 |  | 88.0                       | 0.50          | 4.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.03    | 1.51   | 2.24   | 2.84   | 4.34                                            | 5.65     | 10.55   |        |        |        |         |          |  |  |                    |              | 223.52 |
| 1-1818-601- 3289 |  | 89.0                       | 0.50          | 4.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.04    | 1.52   | 2.26   | 2.87   | 4.38                                            | 5.71     | 10.67   |        |        |        |         |          |  |  |                    |              | 226.06 |
| 1-1818-601- 3290 |  | 90.0                       | 0.50          | 5.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.06    | 1.54   | 2.29   | 2.90   | 4.43                                            | 5.77     | 10.79   |        |        |        |         |          |  |  |                    |              | 228.60 |
| 1-1818-601- 3291 |  | 91.0                       | 0.50          | 5.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.07    | 1.55   | 2.31   | 2.93   | 4.48                                            | 5.83     | 10.91   |        |        |        |         |          |  |  |                    |              | 231.14 |
| 1-1818-601- 3292 |  | 92.0                       | 0.50          | 5.0              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.08    | 1.57   | 2.33   | 2.96   | 4.52                                            | 5.90     | 11.03   |        |        |        |         |          |  |  |                    |              | 233.68 |
| 1-1818-601- 3293 |  | 93.0                       | 0.50          | 5.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.09    | 1.59   | 2.36   | 2.99   | 4.57                                            | 5.96     | 11.14   |        |        |        |         |          |  |  |                    |              | 236.22 |
| 1-1818-601- 3294 |  | 94.0                       | 0.50          | 5.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.10    | 1.60   | 2.38   | 3.02   | 4.62                                            | 6.02     | 11.26   |        |        |        |         |          |  |  |                    |              | 238.76 |
| 1-1818-601- 3295 |  | 95.0                       | 0.50          | 5.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.11    | 1.62   | 2.40   | 3.05   | 4.66                                            | 6.08     | 11.38   |        |        |        |         |          |  |  |                    |              | 241.30 |
| 1-1818-601- 3296 |  | 96.0                       | 0.50          | 5.1              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.12    | 1.63   | 2.43   | 3.08   | 4.71                                            | 6.14     | 11.50   |        |        |        |         |          |  |  |                    |              | 243.84 |
| 1-1818-601- 3297 |  | 97.0                       | 0.50          | 5.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.13    | 1.65   | 2.45   | 3.11   | 4.76                                            | 6.20     | 11.62   |        |        |        |         |          |  |  |                    |              | 246.38 |
| 1-1818-601- 3298 |  | 98.0                       | 0.50          | 5.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.14    | 1.67   | 2.48   | 3.14   | 4.80                                            | 6.26     | 11.74   |        |        |        |         |          |  |  |                    |              | 248.92 |
| 1-1818-601- 3299 |  | 99.0                       | 0.50          | 5.2              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.15    | 1.68   | 2.50   | 3.17   | 4.85                                            | 6.32     | 11.86   |        |        |        |         |          |  |  |                    |              | 251.46 |
| 2-1818-601- 3210 |  | 120.0                      | 1.00          | 5.9              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.18    | 2.02   | 3.00   | 3.81   | 5.83                                            | 7.60     | 14.38   |        |        |        |         |          |  |  |                    |              | 304.80 |
| 2-1818-601- 3214 |  | 168.0                      | 1.00          | 7.5              | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 1.90    | 2.78   | 4.14   | 5.27   | 8.08                                            | 10.52    | 20.13   |        |        |        |         |          |  |  |                    |              | 426.72 |
| 2-1818-601- 3225 |  | 300.0                      | 3.00          | 11.7             | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 3.33    | 4.89   | 7.29   | 9.28   | 14.25                                           | 18.56    | 35.95   |        |        |        |         |          |  |  |                    |              | 762.00 |
| 2-1818-601- 3250 |  | 600.0                      | 6.00          | 21.3             | 1.15                                   | 1.20   | 1.25   | 1.30   | 1.35    | 1.45     | 6.59    | 9.68   | 14.44  | 18.39  | 28.2                                            |          |         |        |        |        |         |          |  |  |                    |              |        |