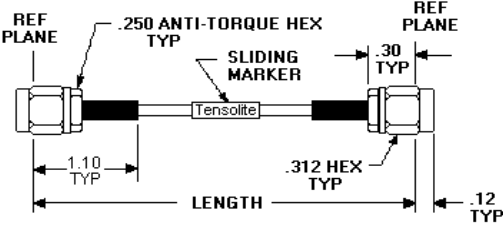


| ELECTRICAL SPECIFICATIONS | | | | | | |
|-----------------------------------|-------------------|----|----|----|----|----|
| IMPEDANCE, NOMINAL: | 50 OHMS | | | | | |
| CAPACITANCE NOMINAL: | 28.3 pF/FOOT | | | | | |
| VELOCITY OF PROPAGATION, NOMINAL: | 71.7 % | | | | | |
| RELATIVE SHIELDING | -90 dB MIN. | | | | | |
| INSULATION RESISTANCE: | 1000 MEGOHMS MIN. | | | | | |
| DIELECTRIC WITHSTANDING VOLTAGE: | 1000 VRMS MIN. | | | | | |
| ELECTRICAL DELAY: | 1.42 ns/FOOT | | | | | |
| ELECTRICAL DELAY: | 120 ps/INCH | | | | | |
| F (IN GHz) -----> | 2 | 4 | 12 | 18 | 26 | 40 |
| MAX. CW WATTS --> | 54 | 37 | 20 | 16 | 13 | 10 |



| MECHANICAL SPECIFICATIONS: | |
|----------------------------|--------------------|
| CABLE MAX. DIAMETER: | 0.108 INCHES |
| MIN. BEND RADIUS: | 0.63 INCHES |
| PREFERRED BEND RADIUS: | 2.10 INCHES |
| CONNECTOR RETENTION: | 30 POUNDS MIN. |
| TEMPERATURE RANGE: | -55/+105 DEGREES C |
| MATING TORQUE: | 7-10 INCH POUNDS |
| CONNECTOR INTERFACE: | COMMERCIAL K |

| MATERIALS AND FINISHES | | |
|------------------------|---------------------------------------|-------------------------|
| DESCRIPTION | MATERIAL | FINISH OR COLOR |
| CABLE JACKET: | L-P-389 FEP | BLUE |
| MARKER: | MIL-I-23053/5 | GRAY |
| BOOT: | MIL-I-23053/4 | BLACK |
| INSULATORS: | ASTM-D-1710, PTFE | NONE |
| SMA BODY | ASTM-A-582, 303 STAINLESS STEEL | MIL-G-45204 GOLD PLATED |
| SMA NUT | ASTM-A-582, 303 STAINLESS STEEL | QQ-P-35 PASSIVATED |
| SMA GASKET | ZZ-R-765, SILICONE RUBBER | NONE |
| SOLVENTS: | NO OZONE DEPLETING MATERIALS ARE USED | |

| ITEM INFORMATION PART NUMBER | MECHANICAL CHARACTERISTICS | | | S11 AND S22 CHARACTERISTICS | | | | | | | S21 AND S12 CHARACTERISTICS | | | | | | | LENGTH CM | |
|---------------------------------|----------------------------|-----------------|------------------|--|--------|---------|----------|----------|----------|---------|---|---------|----------|----------|----------|------|------|--------------|--------------------|
| | LENGTH INCHES | + / - LENGTH | WEIGHT OUNCES | MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.) | | | | | | | MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.) | | | | | | | | NOM DELAY nS |
| | | | | UP TO 2 | 2 TO 4 | 4 TO 12 | 12 TO 18 | 18 TO 26 | 26 TO 40 | UP TO 2 | 2 TO 4 | 4 TO 12 | 12 TO 18 | 18 TO 26 | 26 TO 40 | | | | |
| 1-K6K6-794-5302 | 2.00 | 0.25 | 0.2 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.16 | 0.22 | 0.36 | 0.45 | 0.57 | 0.72 | 0.24 | 5.1 | | |
| 1-K6K6-794-5303 | 3.00 | 0.25 | 0.2 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.18 | 0.26 | 0.44 | 0.54 | 0.68 | 0.87 | 0.36 | 7.6 | | |
| 1-K6K6-794-5304 | 4.00 | 0.25 | 0.3 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.21 | 0.30 | 0.51 | 0.64 | 0.80 | 1.02 | 0.48 | 10.2 | | |
| 1-K6K6-794-5305 | 5.00 | 0.25 | 0.3 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.24 | 0.34 | 0.58 | 0.73 | 0.91 | 1.17 | 0.60 | 12.7 | | |
| 1-K6K6-794-5306 | 6.00 | 0.25 | 0.3 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.27 | 0.38 | 0.66 | 0.82 | 1.03 | 1.32 | 0.72 | 15.2 | | |
| 1-K6K6-794-5307 | 7.00 | 0.25 | 0.3 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.30 | 0.42 | 0.73 | 0.92 | 1.15 | 1.47 | 0.84 | 17.8 | | |
| 1-K6K6-794-5308 | 8.00 | 0.25 | 0.3 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.32 | 0.46 | 0.81 | 1.01 | 1.26 | 1.62 | 0.96 | 20.3 | | |
| 1-K6K6-794-5309 | 9.00 | 0.25 | 0.4 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.35 | 0.50 | 0.88 | 1.10 | 1.38 | 1.77 | 1.08 | 22.9 | | |
| 1-K6K6-794-5310 | 10.00 | 0.25 | 0.4 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.38 | 0.54 | 0.95 | 1.20 | 1.49 | 1.92 | 1.20 | 25.4 | | |
| 1-K6K6-794-5311 | 11.00 | 0.25 | 0.4 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.41 | 0.58 | 1.03 | 1.29 | 1.61 | 2.07 | 1.32 | 27.9 | | |
| 1-K6K6-794-5312 | 12.00 | 0.25 | 0.4 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.43 | 0.62 | 1.10 | 1.38 | 1.73 | 2.22 | 1.44 | 30.5 | | |
| 1-K6K6-794-5313 | 13.00 | 0.25 | 0.4 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.46 | 0.66 | 1.18 | 1.48 | 1.84 | 2.37 | 1.56 | 33.0 | | |
| 1-K6K6-794-5314 | 14.00 | 0.25 | 0.5 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.49 | 0.70 | 1.25 | 1.57 | 1.96 | 2.52 | 1.68 | 35.6 | | |
| 1-K6K6-794-5315 | 15.00 | 0.25 | 0.5 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.52 | 0.75 | 1.32 | 1.66 | 2.07 | 2.67 | 1.80 | 38.1 | | |
| 1-K6K6-794-5316 | 16.00 | 0.25 | 0.5 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.55 | 0.79 | 1.40 | 1.76 | 2.19 | 2.82 | 1.92 | 40.6 | | |
| 1-K6K6-794-5317 | 17.00 | 0.25 | 0.5 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.57 | 0.83 | 1.47 | 1.85 | 2.31 | 2.97 | 2.04 | 43.2 | | |
| 1-K6K6-794-5318 | 18.00 | 0.25 | 0.5 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.60 | 0.87 | 1.55 | 1.94 | 2.42 | 3.12 | 2.16 | 45.7 | | |
| 1-K6K6-794-5319 | 19.00 | 0.25 | 0.6 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.63 | 0.91 | 1.62 | 2.04 | 2.54 | 3.27 | 2.28 | 48.3 | | |
| 1-K6K6-794-5320 | 20.00 | 0.25 | 0.6 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.66 | 0.95 | 1.69 | 2.13 | 2.65 | 3.42 | 2.40 | 50.8 | | |
| 1-K6K6-794-5321 | 21.00 | 0.25 | 0.6 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.69 | 0.99 | 1.77 | 2.23 | 2.77 | 3.57 | 2.52 | 53.3 | | |
| 1-K6K6-794-5322 | 22.00 | 0.25 | 0.6 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.71 | 1.03 | 1.84 | 2.32 | 2.89 | 3.72 | 2.64 | 55.9 | | |
| 1-K6K6-794-5323 | 23.00 | 0.25 | 0.7 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.74 | 1.07 | 1.92 | 2.41 | 3.00 | 3.87 | 2.76 | 58.4 | | |
| 1-K6K6-794-5324 | 24.00 | 0.25 | 0.7 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.77 | 1.11 | 1.99 | 2.51 | 3.12 | 4.02 | 2.88 | 61.0 | | |
| 1-K6K6-794-5325 | 25.00 | 0.25 | 0.7 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.80 | 1.15 | 2.07 | 2.60 | 3.23 | 4.17 | 3.00 | 63.5 | | |
| 1-K6K6-794-5326 | 26.00 | 0.26 | 0.7 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.82 | 1.19 | 2.14 | 2.69 | 3.35 | 4.33 | 3.12 | 66.0 | | |
| 1-K6K6-794-5327 | 27.00 | 0.27 | 0.7 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.85 | 1.23 | 2.21 | 2.79 | 3.47 | 4.48 | 3.24 | 68.6 | | |
| 1-K6K6-794-5328 | 28.00 | 0.28 | 0.8 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.88 | 1.27 | 2.29 | 2.88 | 3.58 | 4.63 | 3.36 | 71.1 | | |
| 1-K6K6-794-5329 | 29.00 | 0.29 | 0.8 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.91 | 1.31 | 2.36 | 2.97 | 3.70 | 4.78 | 3.48 | 73.7 | | |
| 1-K6K6-794-5330 | 30.00 | 0.30 | 0.8 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.94 | 1.35 | 2.44 | 3.07 | 3.81 | 4.93 | 3.60 | 76.2 | | |
| 1-K6K6-794-5331 | 31.00 | 0.31 | 0.8 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.96 | 1.39 | 2.51 | 3.16 | 3.93 | 5.08 | 3.71 | 78.7 | | |
| 1-K6K6-794-5332 | 32.00 | 0.32 | 0.8 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 0.99 | 1.43 | 2.58 | 3.25 | 4.05 | 5.23 | 3.83 | 81.3 | | |
| 1-K6K6-794-5333 | 33.00 | 0.33 | 0.9 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 1.02 | 1.47 | 2.66 | 3.35 | 4.16 | 5.38 | 3.95 | 83.8 | | |
| 1-K6K6-794-5334 | 34.00 | 0.34 | 0.9 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 1.05 | 1.51 | 2.73 | 3.44 | 4.28 | 5.53 | 4.07 | 86.4 | | |
| 1-K6K6-794-5335 | 35.00 | 0.35 | 0.9 | 1.13 | 1.18 | 1.25 | 1.35 | 1.40 | 1.45 | 1.07 | 1.55 | 2.81 | 3.53 | 4.39 | 5.68 | 4.19 | 88.9 | | |
| 1-K6K6-794-5336 | 36.00 | 0.36 | 0.9 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.10 | 1.59 | 2.88 | 3.63 | 4.51 | 5.83 | 4.31 | 91.4 | | |
| 1-K6K6-794-5339 | 39.00 | 0.39 | 1.0 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.19 | 1.71 | 3.10 | 3.91 | 4.86 | 6.28 | 4.67 | 99.1 | | |
| 1-K6K6-794-5340 | 40.00 | 0.40 | 1.0 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.21 | 1.75 | 3.18 | 4.00 | 4.97 | 6.43 | 4.79 | 102 | | |
| 1-K6K6-794-5341 | 41.00 | 0.41 | 1.0 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.24 | 1.79 | 3.25 | 4.10 | 5.09 | 6.58 | 4.91 | 104 | | |
| 1-K6K6-794-5342 | 42.00 | 0.42 | 1.0 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.27 | 1.83 | 3.32 | 4.19 | 5.21 | 6.73 | 5.03 | 107 | | |
| 1-K6K6-794-5348 | 48.00 | 0.48 | 1.2 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.44 | 2.08 | 3.77 | 4.75 | 5.90 | 7.63 | 5.75 | 122 | | |
| 1-K6K6-794-5354 | 54.00 | 0.54 | 1.3 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.60 | 2.32 | 4.21 | 5.31 | 6.60 | 8.53 | 6.47 | 137 | | |
| 1-K6K6-794-5359 | 59.00 | 0.59 | 1.4 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.74 | 2.52 | 4.58 | 5.78 | 7.18 | 9.29 | 7.07 | 150 | | |
| 1-K6K6-794-5360 | 60.00 | 0.60 | 1.4 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.77 | 2.56 | 4.66 | 5.87 | 7.29 | 9.44 | 7.19 | 152 | | |
| 1-K6K6-794-5366 | 66.00 | 0.66 | 1.5 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 1.94 | 2.80 | 5.10 | 6.43 | 7.99 | 10.3 | 7.91 | 168 | | |
| 1-K6K6-794-5372 | 72.00 | 0.72 | 1.7 | 1.16 | 1.21 | 1.28 | 1.38 | 1.43 | 1.48 | 2.10 | 3.04 | 5.55 | 6.99 | 8.69 | 11.2 | 8.63 | 183 | | |
| 1-K6K6-794-5378 | 78.00 | 0.78 | 1.8 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.27 | 3.29 | 5.99 | 7.55 | 9.38 | 12.1 | 9.35 | 198 | | |
| 1-K6K6-794-5379 | 79.00 | 0.79 | 1.8 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.30 | 3.33 | 6.07 | 7.65 | 9.50 | 12.3 | 9.47 | 201 | | |
| 1-K6K6-794-5380 | 80.00 | 0.80 | 1.8 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.33 | 3.37 | 6.14 | 7.74 | 9.61 | 12.4 | 9.59 | 203 | | |
| 1-K6K6-794-5384 | 84.00 | 0.84 | 1.9 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.44 | 3.53 | 6.44 | 8.12 | 10.1 | 13.0 | 10.1 | 213 | | |
| 1-K6K6-794-5390 | 90.00 | 0.90 | 2.0 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.61 | 3.77 | 6.88 | 8.68 | 10.8 | 14.0 | 10.8 | 229 | | |
| 1-K6K6-794-5396 | 96.00 | 0.96 | 2.2 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.77 | 4.01 | 7.33 | 9.24 | 11.5 | 14.9 | 11.5 | 244 | | |
| 1-K6K6-794-5399 | 99.00 | 0.99 | 2.2 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 2.86 | 4.13 | 7.55 | 9.52 | 11.8 | 15.3 | 11.9 | 251 | | |
| 2-K6K6-794-5310 | 120 | 1.2 | 2.6 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 3.44 | 4.98 | 9.10 | 11.5 | 14.3 | 18.5 | 14.4 | 305 | | |
| 2-K6K6-794-5317 | 204 | 2.0 | 4.4 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 5.78 | 8.37 | 15.3 | 19.3 | 24.0 | 31.1 | 24.4 | 518 | | |
| 2-K6K6-794-5333 | 396 | 4.0 | 8.3 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 11.1 | 16.1 | 29.6 | 37.3 | 46.3 | 60.0 | 47.5 | 1006 | | |
| 2-K6K6-794-5366 | 792 | 7.9 | 16.4 | 1.19 | 1.24 | 1.31 | 1.41 | 1.46 | 1.51 | 22.1 | 32.1 | 58.9 | 74.3 | 92.2 | 119 | 94.9 | 2012 | | |

THESE ASSEMBLIES ARE ALSO AVAILABLE IN RoHS COMPLIANT VERSIONS. TO ORDER, REPLACE THE "1" PREFIX WITH A "Y" OR REPLACE THE "2" PREFIX WITH A "Z".

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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