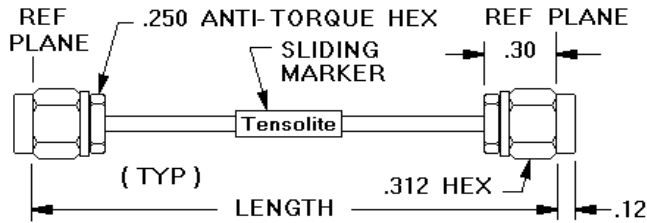


| ELECTRICAL SPECIFICATIONS | |
|---|-------------------------------|
| IMPEDANCE, NOMINAL: | 50 OHMS |
| CAPACITANCE NOMINAL: | 28.7 pF/FOOT |
| VELOCITY OF PROPAGATION, NOMINAL: | 70.7 % |
| RELATIVE SHIELDING: | -100 dB MIN. |
| INSULATION RESISTANCE: | 1000 MEGOHMS MIN. |
| DIELECTRIC WITHSTANDING VOLTAGE: | 1000 VRMS MIN. |
| ELECTRICAL 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 ----> | 79 54 37 29 20 15 |
| 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: | 0.089 INCHES |
| MIN. BEND RADIUS: | 0.13 INCHES |
| PREFERRED BEND RADIUS: | 0.38 INCHES |
| CONNECTOR RETENTION: | 30 POUNDS MIN. |
| TEMPERATURE RANGE: | -50 / +105 DEGREES C |
| MATING TORQUE: | 7-10 INCH POUNDS |
| CONNECTOR INTERFACE: | MIL-STD-348 |



| MATERIALS AND FINISHES | | |
|------------------------|---------------------------------------|-------------------------|
| DESCRIPTION | MATERIAL | FINISH OR COLOR |
| CABLE JACKET: | HIGH STRENGTH WIRE BRAID | TIN FILLED |
| MARKER: | M23053/5 | GRAY |
| RoHS MARKER: | M23053/5 | GREEN |
| CONTACTS: | ASTM B196 BeCu | MIL-G-45204 GOLD PLATED |
| INSULATORS: | ASTM-D-1457, PTFE | NONE |
| CONNECTOR BODIES: | ASTM-A-582, 303 STAINLESS STEEL | MIL-G-45204 GOLD PLATED |
| CONNECTOR NUTS: | ASTM-A-582, 303 STAINLESS STEEL | QQ-P-35 PASSIVATED |
| SMA GASKET: | ZZ-R-765 SILICON RUBBER | NONE |
| SOLVENTS: | NO OZONE DEPLETING MATERIALS ARE USED | |

| ITEM INFORMATION PART NUMBER | MECHANICAL CHARACTERISTICS LENGTH INCHES +/- LENGTH WEIGHT OUNCES | | | S11 AND S22 CHARACTERISTICS | | | | | | | | S21 AND S12 CHARACTERISTICS | | | | | | | | LENGTH CM |
|---------------------------------|--|------|------|---------------------------------------|--------|--------|--------|----------|----------|---------|--------|---|--------|---------|----------|---------|--------|--------|--------|-----------|
| | | | | TYPICAL VSWR :1 AT FREQUENCY (IN GHZ) | | | | MAX VSWR | | | | TYPICAL INSERTION LOSS (IL) IN dB AT FREQ. (IN GHZ) | | | | MAX IL | | | | |
| | | | | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12 | DC TO 18 | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12 | DC TO 18 | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6 | |
| 1-3636-600-5202 | D | 2.0 | 0.10 | 0.2 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.10 | 0.13 | 0.18 | 0.22 | 0.31 | 0.40 | 0.24 | 5.1 | | |
| 1-3636-600-5203 | D | 3.0 | 0.10 | 0.2 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.12 | 0.16 | 0.22 | 0.27 | 0.38 | 0.50 | 0.36 | 7.6 | | |
| 1-3636-600-5204 | D | 4.0 | 0.10 | 0.2 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.14 | 0.18 | 0.26 | 0.32 | 0.46 | 0.60 | 0.48 | 10.2 | | |
| 1-3636-600-5205 | D | 5.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.16 | 0.21 | 0.30 | 0.37 | 0.53 | 0.69 | 0.60 | 12.7 | | |
| 1-3636-600-5206 | D | 6.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.17 | 0.24 | 0.34 | 0.42 | 0.61 | 0.79 | 0.72 | 15.2 | | |
| 1-3636-600-5207 | D | 7.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.19 | 0.27 | 0.38 | 0.47 | 0.69 | 0.89 | 0.84 | 17.8 | | |
| 1-3636-600-5208 | D | 8.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.21 | 0.29 | 0.42 | 0.52 | 0.76 | 0.99 | 0.96 | 20.3 | | |
| 1-3636-600-5209 | D | 9.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.23 | 0.32 | 0.46 | 0.57 | 0.84 | 1.08 | 1.08 | 22.9 | | |
| 1-3636-600-5210 | D | 10.0 | 0.10 | 0.3 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.25 | 0.35 | 0.50 | 0.62 | 0.92 | 1.18 | 1.20 | 25.4 | | |
| 1-3636-600-5211 | D | 11.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.27 | 0.38 | 0.55 | 0.67 | 0.99 | 1.28 | 1.32 | 27.9 | | |
| 1-3636-600-5212 | D | 12.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.29 | 0.40 | 0.59 | 0.72 | 1.07 | 1.38 | 1.44 | 30.5 | | |
| 1-3636-600-5213 | D | 13.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.31 | 0.43 | 0.63 | 0.77 | 1.14 | 1.47 | 1.56 | 33.0 | | |
| 1-3636-600-5214 | D | 14.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.33 | 0.46 | 0.67 | 0.83 | 1.22 | 1.57 | 1.68 | 35.6 | | |
| 1-3636-600-5215 | D | 15.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.35 | 0.49 | 0.71 | 0.88 | 1.30 | 1.67 | 1.80 | 38.1 | | |
| 1-3636-600-5216 | D | 16.0 | 0.15 | 0.4 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.36 | 0.51 | 0.75 | 0.93 | 1.37 | 1.77 | 1.92 | 40.6 | | |
| 1-3636-600-5217 | D | 17.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.38 | 0.54 | 0.79 | 0.98 | 1.45 | 1.86 | 2.04 | 43.2 | | |
| 1-3636-600-5218 | D | 18.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.40 | 0.57 | 0.83 | 1.03 | 1.52 | 1.96 | 2.16 | 45.7 | | |
| 1-3636-600-5219 | D | 19.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.42 | 0.60 | 0.87 | 1.08 | 1.60 | 2.06 | 2.28 | 48.3 | | |
| 1-3636-600-5220 | D | 20.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.44 | 0.62 | 0.91 | 1.13 | 1.68 | 2.15 | 2.40 | 51 | | |
| 1-3636-600-5221 | D | 21.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.46 | 0.65 | 0.95 | 1.18 | 1.75 | 2.25 | 2.52 | 53 | | |
| 1-3636-600-5222 | D | 22.0 | 0.15 | 0.5 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.48 | 0.68 | 0.99 | 1.23 | 1.83 | 2.35 | 2.64 | 56 | | |
| 1-3636-600-5223 | D | 23.0 | 0.15 | 0.6 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.50 | 0.71 | 1.03 | 1.28 | 1.91 | 2.45 | 2.76 | 58 | | |
| 1-3636-600-5224 | D | 24.0 | 0.15 | 0.6 | 1.06 | 1.10 | 1.14 | 1.17 | 1.20 | 1.30 | 0.52 | 0.74 | 1.07 | 1.33 | 1.98 | 2.54 | 2.88 | 61 | | |
| 1-3636-600-5225 | D | 25.0 | 0.15 | 0.6 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.54 | 0.76 | 1.11 | 1.39 | 2.06 | 2.64 | 3.00 | 64 | | |
| 1-3636-600-5226 | D | 26.0 | 0.15 | 0.6 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.56 | 0.79 | 1.15 | 1.44 | 2.13 | 2.74 | 3.12 | 66 | | |
| 1-3636-600-5227 | D | 27.0 | 0.15 | 0.6 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.57 | 0.82 | 1.19 | 1.49 | 2.21 | 2.84 | 3.24 | 69 | | |
| 1-3636-600-5228 | D | 28.0 | 0.15 | 0.6 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.59 | 0.85 | 1.23 | 1.54 | 2.29 | 2.93 | 3.36 | 71 | | |
| 1-3636-600-5229 | D | 29.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.61 | 0.87 | 1.27 | 1.59 | 2.36 | 3.03 | 3.48 | 74 | | |
| 1-3636-600-5230 | D | 30.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.63 | 0.90 | 1.31 | 1.64 | 2.44 | 3.13 | 3.60 | 76 | | |
| 1-3636-600-5231 | D | 31.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.65 | 0.93 | 1.35 | 1.69 | 2.51 | 3.23 | 3.71 | 79 | | |
| 1-3636-600-5232 | D | 32.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.67 | 0.96 | 1.39 | 1.74 | 2.59 | 3.32 | 3.83 | 81 | | |
| 1-3636-600-5233 | D | 33.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.69 | 0.98 | 1.44 | 1.79 | 2.67 | 3.42 | 3.95 | 84 | | |
| 1-3636-600-5234 | D | 34.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.71 | 1.01 | 1.48 | 1.84 | 2.74 | 3.52 | 4.07 | 86 | | |
| 1-3636-600-5235 | D | 35.0 | 0.15 | 0.7 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.73 | 1.04 | 1.52 | 1.89 | 2.82 | 3.62 | 4.19 | 89 | | |
| 1-3636-600-5236 | D | 36.0 | 0.20 | 0.8 | 1.10 | 1.15 | 1.20 | 1.25 | 1.30 | 1.35 | 0.75 | 1.07 | 1.56 | 1.95 | 2.90 | 3.71 | 4.31 | 91 | | |
| 1-3636-600-5237 | D | 37.0 | 0.20 | 0.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.76 | 1.09 | 1.60 | 2.00 | 2.97 | 3.81 | 4.43 | 94 | | |
| 1-3636-600-5238 | D | 38.0 | 0.20 | 0.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.78 | 1.12 | 1.64 | 2.05 | 3.05 | 3.91 | 4.55 | 97 | | |
| 1-3636-600-5239 | D | 39.0 | 0.20 | 0.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.80 | 1.15 | 1.68 | 2.10 | 3.12 | 4.00 | 4.67 | 99 | | |
| 1-3636-600-5240 | D | 40.0 | 0.20 | 0.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.82 | 1.18 | 1.72 | 2.15 | 3.20 | 4.10 | 4.79 | 102 | | |
| 1-3636-600-5241 | D | 41.0 | 0.20 | 0.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.84 | 1.21 | 1.76 | 2.20 | 3.28 | 4.20 | 4.91 | 104 | | |
| 1-3636-600-5242 | D | 42.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.86 | 1.23 | 1.80 | 2.25 | 3.35 | 4.30 | 5.03 | 107 | | |
| 1-3636-600-5243 | D | 43.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.88 | 1.26 | 1.84 | 2.30 | 3.43 | 4.39 | 5.15 | 109 | | |
| 1-3636-600-5244 | D | 44.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.90 | 1.29 | 1.88 | 2.35 | 3.50 | 4.49 | 5.27 | 112 | | |
| 1-3636-600-5245 | D | 45.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.92 | 1.32 | 1.92 | 2.40 | 3.58 | 4.59 | 5.39 | 114 | | |
| 1-3636-600-5246 | D | 46.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.94 | 1.34 | 1.96 | 2.45 | 3.66 | 4.69 | 5.51 | 117 | | |
| 1-3636-600-5247 | D | 47.0 | 0.20 | 0.9 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.95 | 1.37 | 2.00 | 2.50 | 3.73 | 4.78 | 5.63 | 119 | | |
| 1-3636-600-5248 | D | 48.0 | 0.25 | 1.0 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 0.97 | 1.40 | 2.04 | 2.56 | 3.81 | 4.88 | 5.75 | 122 | | |
| 1-3636-600-5254 | D | 54.0 | 0.25 | 1.1 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.09 | 1.56 | 2.29 | 2.86 | 4.27 | 5.47 | 6.47 | 137 | | |
| 1-3636-600-5260 | D | 60.0 | 0.30 | 1.2 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.20 | 1.73 | 2.53 | 3.17 | 4.72 | 6.05 | 7.19 | 152 | | |
| 1-3636-600-5272 | D | 72.0 | 0.50 | 1.4 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.43 | 2.06 | 3.01 | 3.78 | 5.64 | 7.22 | 8.63 | 183 | | |
| 1-3636-600-5284 | D | 84.0 | 0.75 | 1.5 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.66 | 2.39 | 3.50 | 4.39 | 6.55 | 8.39 | 10.1 | 213 | | |
| 1-3636-600-5296 | D | 96.0 | 1.0 | 1.7 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.89 | 2.72 | 3.98 | 5.00 | 7.46 | 9.55 | 11.5 | 244 | | |
| 1-3636-600-5299 | D | 99.0 | 1.0 | 1.8 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 1.94 | 2.81 | 4.11 | 5.15 | 7.69 | 9.85 | 11.9 | 251 | | |
| 2-3636-600-5210 | D | 120 | 1.0 | 2.1 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 2.34 | 3.39 | 4.96 | 6.22 | 9.29 | 11.9 | 14.4 | 305 | | |
| 2-3636-600-5215 | D | 180 | 1.0 | 3.1 | 1.13 | 1.18 | 1.23 | 1.28 | 1.35 | 1.40 | 3.49 | 5.04 | 7.38 | 9.27 | 13.9 | 17.7 | 21.6 | 457 | | |

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.
 NOTE: ALL SPECIFICATIONS APPLY 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.
 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".

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