



## CA512(稳相)

| 结构参数 Construction Specification |             |                 |
|---------------------------------|-------------|-----------------|
|                                 | 材料 Material | 直径 Diameter(mm) |
| 1. 内导体 Inner Conductor          | 镀银铜         | 2.30            |
| 2. 绝缘体 Dielectric               | LD-PTFE     | 6.20            |
| 3. 中间层 Outer Conductor          | 镀银铜丝绕包      | 6.48            |
| 4. 屏蔽层 Overall Braid            | 镀银铜丝编织      | 6.93            |
| 5. 外护套 Jacket                   | 灰色 FEP      | 7.80            |

| 机械性能参数 Mechanical Characteristics           |          |
|---|----------|
| 最小弯曲半径, 安装 Bend Radius; installation ( mm ) | 35       |
| 最小弯曲半径, 重复 Bend Radius; repeated ( mm )     | 80       |
| 重量 Weight ( kg/m )                          | 0.13     |
| 温度范围 Temperature Range ( °C )               | -55/+165 |

| 电性能参数 Electrical Characteristics |      |
|----------------------------------|------|
| 阻抗 Impedance ( Ohms )            | 50   |
| 速率 Velocity ( % )                | 83   |
| 介电常数 Dielectric Constant ( NA )  | 1.45 |
| 屏蔽衰减 Shielding Effectiveness(dB) | >90  |
| 时延 Time Delay ( nS/m )           | 4.02 |
| 电容 Capacitance ( pF/m )          | 80   |
| 电感 Inductance ( uH/m )           | 0.31 |
| 截止频率 Cutoff Frequency ( GHz )    | 19   |
| 耐压 Voltage Withstand ( DC )      | 2000 |
| 峰值功率 Peak Power Rating ( kW )    | 10   |

| 衰减与平均功率<br>Attenuation & Average Power |                                  |                                 | 衰减 ( 25°C室温 ); 功率 ( 40°C室温, 海平面, 驻波 1:1 )<br>Attenuation ( 25°C ); Power ( 40°C, Sea Level, VSWR 1:1 ) |                                  |                                 |
|--|----------------------------------|---------------------------------|--|----------------------------------|---------------------------------|
| 频率<br>Frequency<br>( MHz )             | 衰减<br>Attenuation<br>( dB/100m ) | 平均功率<br>Average Power<br>( kw ) | 频率<br>Frequency<br>( MHz )   | 衰减<br>Attenuation<br>( dB/100m ) | 平均功率<br>Average Power<br>( kw ) |
| 30                                     | 2.51                             | 10.655                          | 4000   | 30.18                            | 0.886                           |
| 50                                     | 3.24                             | 8.244                           | 5000   | 33.91                            | 0.788                           |
| 100                                    | 4.60                             | 5.817                           | 6000   | 37.32                            | 0.716                           |
| 300                                    | 8.00                             | 3.341                           | 8000   | 43.44                            | 0.615                           |
| 500                                    | 10.37                            | 2.579                           | 10000  | 48.92                            | 0.547                           |
| 900                                    | 13.99                            | 1.912                           | 12000  | 53.93                            | 0.496                           |
| 1000                                   | 14.76                            | 1.812                           | 12400  | 54.89                            | 0.487                           |
| 1500                                   | 18.17                            | 1.472                           | 13500  | 57.45                            | 0.465                           |
| 2000                                   | 21.07                            | 1.269                           | 15000  | 60.81                            | 0.440                           |
| 3000                                   | 25.98                            | 1.029                           | 18000  | 67.13                            | 0.398                           |