| Coaxial Cable<br>50 Ω - PTFE - Semi Rigid Microwave Cable   |   |  |  | Technical Data Sheet<br>RSR-047             |  |    |
|---|---|--|--|---|--|----|
|   |   |  | ole  |   |  |    |
| 0<br>Inner Conductor  | Dielectric                              |  |  | ∕<br>Outer Conc<br>Copper                   | <b>1</b><br>luctor                       |    |
| Naterial And Diamo<br>Connector parts<br>nner Conductor<br>Dielectric   | eter                                    | PTFE (Polyte   |  | plated (SPCW)<br>rylene)                    | Diameter<br>0.29 mm<br>0.94 mm           |    |
| Duter Shield<br>Iectrical Data<br>npedance<br>requency<br>Capacitance<br>Operating voltage<br>Mechanical Data           |   | Copper<br>50 Ω ± 2<br>DC to 65 G<br>95.2 pF/m<br>≤ 1.0 kVrms |  | el)   | 1.19 mm                                  |    |
| Veight<br>1in. bending radius<br>nvironmental Data  |   | 6 g/100m<br>1.27 mm  |  |   |  |    |
| Operating temperature range<br>Outer conductor integrity temperature<br>RoHS (2011/65/EU)<br><b>Typical Attenuation</b> |   | -40°C to +120°C<br>≤ 175°C<br>compliant                      |  |   |  |    |
| requency (GHz)  | Typical Attenuation<br>@ 25°C sea level | (dB/m)   | Typical A<br>@ 25°C                                | ttenuation (dB/ft)<br>sea level             | Max. CW power (Watt)<br>@ 40°C sea level |    |
| ).5   | 0.78                                    |  | 0.24   |   | 80.5                                     |    |
|   | 1.12                                    |  | 0.34   |   | 56.6                                     |    |
| -   | 2.58                                    |  | 0.79   |   | 24.7                                     |    |
| 0   | 3.73                                    |  | 1.14   |   | 17.2                                     |    |
| 8   | 5.13                                    |  | 1.56   |   | 12.6                                     |    |
| 6.5   | 6.35                                    |  | 1.94   |   | 10.2                                     |    |
| 0   | 8.00                                    |  | 2.43   |   | 8.1                                      |    |
| 50<br>55  | 9.10                                    |  | 2.77<br>3.91                                       |   | 7.2<br>6.2                               |    |
|   | 12.00                                   |  | 0.71   |   | 0.2                                      |    |
| e facts and figures herein<br>owledge, but they are intend  | urposes only                            | NGV  | osnol RF/Microwave Teo<br>vww.rosnol.com ; info@rc |   | Pag                                      |    |
| the effort to improve our pro<br>dged to be necessary.  | ducts, we reserve the right to m        |  | te:<br>/11/10                                      | hone:+886-3-463-5095<br>Fax:+886-3-463-5952 |  | 1/ |