



| MECHANICAL SPECIFICATIONS |                                    |                 |                                    |                      |            |
|---------------------------|------------------------------------|-----------------|------------------------------------|----------------------|------------|
|                           | Type                               | Geometry        |                                    | Material & finishing |            |
| Connector 1               | N Plug                             | Straight        |                                    | Nickel-plated Brass  |            |
| Connector 2               | SMA Plug                           | Straight        |                                    | Gold-plated Brass    |            |
|                           | Type                               | Dielectric      | Jacket                             | Ext. diam.           | Op. Temp.  |
| Cable                     | RG223/U                            | PE              | PVC                                | 5.4 mm               | -25/+85 °C |
| ELECTRICAL SPECIFICATIONS |                                    |                 |                                    |                      |            |
| Frequency range           | DC – 8 GHz<br>VSWR 1.22 (20 dB RL) |                 | 8 – 11 GHz<br>VSWR 1.29 (18 dB RL) |                      |            |
| Impedance                 | 50 Ω                               |                 |                                    |                      |            |
| Frequency (MHz)           | Typical Attenuation (dB/m)         | Frequency (MHz) | Typical Attenuation (dB/m)         |                      |            |
| 50                        | 0.10                               | 2400            | 0.78                               |                      |            |
| 150                       | 0.18                               | 5500            | 1.27                               |                      |            |
| 450                       | 0.31                               | 8000            | 1.60                               |                      |            |
| 1000                      | 0.48                               | 10000           | 1.85                               |                      |            |

| Part #          | Standard length                   |
|-----------------|-----------------------------------|
| N02S02-12-00250 | L = 25 cm                         |
| N02S02-12-00500 | L = 50 cm                         |
| N02S02-12-00750 | L = 75 cm                         |
| N02S02-12-01000 | L = 100 cm                        |
| N02S02-12-01500 | L = 150 cm                        |
| N02S02-12-02000 | L = 200 cm                        |
| N02S02-12-03000 | L = 300 cm                        |
| Part #          | Custom length                     |
| N02S02-12-“L”   | Replace L with cable length in mm |



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**N02S02-12 Series**