



| MECHANICAL SPECIFICATIONS |                                    |                    |                               |                      |             |
|---------------------------|------------------------------------|--------------------|-------------------------------|----------------------|-------------|
|                           | Type                               | Geometry           |                               | Material & finishing |             |
| Connector 1               | SMA Plug                           | Straight           |                               | Gold-plated Brass    |             |
| Connector 2               | SMA Plug                           | Straight           |                               | Gold-plated Brass    |             |
|                           | Type                               | Dielectric         | Jacket                        | Ext. diam.           | Op. Temp.   |
| Cable                     | RG316/D Dual Shield                | PTFE               | FEP                           | 2.9 mm               | -65/+165 °C |
| ELECTRICAL SPECIFICATIONS |                                    |                    |                               |                      |             |
| Frequency range           | DC – 6 GHz<br>VSWR 1.22 (20 dB RL) |                    |                               |                      |             |
| Impedance                 | 50 Ω                               |                    |                               |                      |             |
| Frequency<br>(MHz)        | Typical Attenuation<br>(dB/m)      | Frequency<br>(MHz) | Typical Attenuation<br>(dB/m) |                      |             |
| 50                        | 0.18                               | 1000               | 0.88                          |                      |             |
| 150                       | 0.31                               | 2400               | 1.43                          |                      |             |
| 450                       | 0.55                               | 5500               | 2.37                          |                      |             |

| Part #          | Standard length |
|-----------------|-----------------|
| S02S02-02-00200 | L = 20 cm       |
| S02S02-02-00300 | L = 30 cm       |
| S02S02-02-00400 | L = 40 cm       |
| S02S02-02-00500 | L = 50 cm       |
| S02S02-02-00750 | L = 75 cm       |
| S02S02-02-01000 | L = 100 cm      |
| S02S02-02-01500 | L = 150 cm      |
| S02S02-02-02000 | L = 200 cm      |
| S02S02-02-03000 | L = 300 cm      |

| Part #        | Custom length                     |
|---------------|-----------------------------------|
| S02S02-02-"L" | Replace L with cable length in mm |



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**S02S02-02 Series**