



## SMA ASSY 0.5M 3GHZ PLOT



RS Stock No. 526-5640

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### Name

Connector,coaxial,RF,cable assembly,SMA-SMA,3Ghz,0.5m,with performance plot

### Attributes

Search by product type	<a href="#">Cable Assemblies</a>
Length (m)	<a href="#">0.5m</a>
End termination (1)	<a href="#">SMA</a>
End termination (2)	<a href="#">SMA</a>
Orientation	<a href="#">Straight</a>
Impedance	<a href="#">50Ω</a>

### Over view

#### With and Without Plots

Microwave cables are 50Ω SMA connector assemblies, rated by maximum frequency to give a cost effective performance in a variety of applications such as instrument testing, equipment calibration and various forms of microwave communication. High performance double screened flexible cable is colour coded by frequency range for easy identification. Gold plated SMA plugs at each end have brass tubing and double heatshrink strain reliefs to prevent damage and performance degradation. Available in two versions, with and without performance plots:

#### with plots

Performance plots give the insertion loss and return loss for a specific assembly across its full spectrum. The assembly is serialised to give traceability. This enables the user to confidently calibrate equipment, taking account of the assembly in their tests and measurements.

#### without plots

Standard assemblies without plots still conform to the technical data in the tables. There is a cost saving for those who do not need to "set" their equipment.

### Key Characteristics

Max Frequency	12GHz	12GHz	8GHz	3GHz
Max Insertion Loss*	2.1 + 0.4dB	1.3 + 0.4dB	1.5 + 0.4dB	1.3 + 0.4dB
Max Return Loss	17.7dB	17.7dB	17.7dB	17.7dB
Min RF Shielding	100dB	100dB	80dB	70dB
Propogation Velocity	69.5%	69.5%	69.5%	66.0%
Operating Temp Deg C	-65°C to +200°C	-55°C to +200°C	+55°C to +200° C	+40°C to +80° C
Minimum Bend Radius	5.1mm	25mm	25mm	

### Range Overview