



SSMC Series

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SSMC series is a micro-miniature connector supplied with threaded coupling interface. Along with the screw coupling, it gets tighter control of the contact and insulator locations. The SSMC connectors can be operated up to 6GHz, and its impedance is controlled at 50 ohms. This series is suitable for the standard ranges of flexible cables, and it's also available as a PCB mounted version.

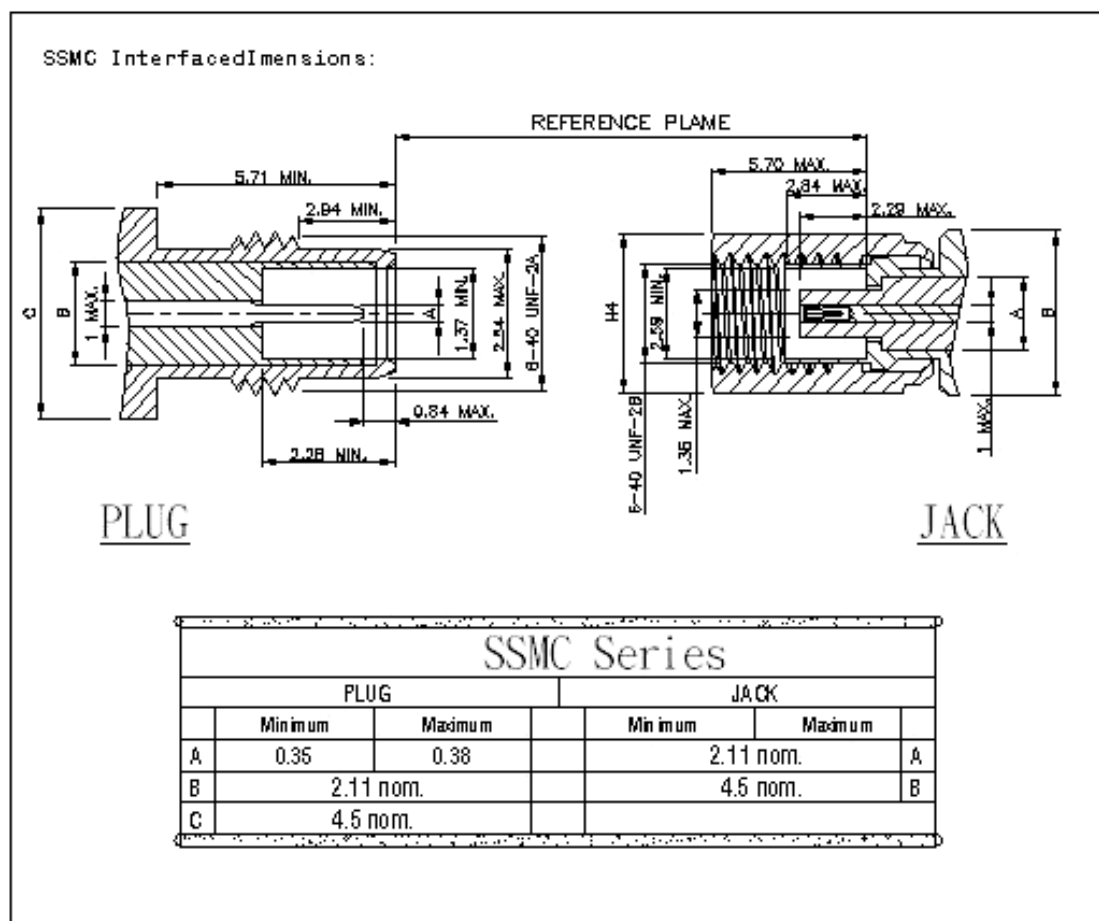
Applications:

*mobile communication systems *civil and military telecommunications

*video equipment

Interface dimensions conformable to the standards:

International: IEC 169-19





Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Beryllium copper	Gold
Insulator	Teflon	N/A
Crimp ferrule	Annealed copper	Nickel or Gold

Electrical :

Electrical Data	Detail		
Impedance	50 ohm		
Frequency range	0-6GHz		
Working voltage	175 V rms		
Insulation resistance	1000 milliohms		
Dielectric withstanding voltage	RG178/U → 750 volts rms min. at sea level RG316, 405 → 1,000 volts rms min. at sea level		
Contact resistance	Center contact: <5 milliohms Outer contact: <2.5 milliohms		
VSWR: f (GHz)		Straight	Right angle
	RG178/U	1.3+0.04f	1.45+0.06f
	RG316/U, 405	1.25+0.04f	1.35+0.04f
Insertion loss	0.3dB max. (straight) 0.6dB max. (right angle)		

Mechanical :

Mechanical Data	Detail
Engagement force	2.3 lbs max.
Disengagement force	2.3 lbs max.
Connector durability	500 cycles min.
Cable retention force	RG178/U → 10 lbs
	RG316/U → 20 lbs
	RG405 → 30 lbs

Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 CONDITION B
Vibration	MIL-STD-202 METHOD 204 CONDITION B
Mechanical shock	MIL-STD-202 METHOD 213 CONDITION B



Technical drawing of a 1000 series ball bearing. The drawing shows a cross-section of the bearing with the following dimensions:

- Outer diameter: 10.5
- Inner diameter: 5.8
- Overall height: 9.6
- Height of the outer ring: 3.0

A 3D CAD model of a mechanical assembly. It features a grey rectangular block with a circular hole. A yellow rod is inserted into this hole. To the right of the block, a silver cylindrical component is mounted on a bracket that is attached to the side of the grey block. The cylinder has a flange on its right end.

Technical drawing of a mechanical component, likely a valve or actuator, showing dimensions in millimeters. The drawing includes a side view and a cross-sectional view. Key dimensions are: total length 14.6, distance from base to spring 9.8, base diameter 9.6, and base height 3.9. A cross-section shows a central shaft with a diameter of 40 H9/f8.



Technical drawing of a spring assembly. The drawing shows a cross-section of a spring with a diameter of $\varnothing 0.9$. The spring is mounted on a shaft. The dimensions are: 2.5 (distance from the left end of the spring to the center of the shaft), 6.4 (distance from the right end of the spring to the center of the shaft), and 14.4 (total length of the spring).



