RF/Coaxial/Antenna Connector

BNC

BNC connectors are miniature, lightweight and operate satisfactorily up to 11GHz, though most applications are DC to 4GHz. As one of the world's most popular connector series, the bayonet coupling provides ease of connecting/disconnecting and is ideally suited for applications in test equipment and instrumentation. A broad range of mounting styles and cable affixement options are available.

TNC

TNC connectors are miniature, lightweight and operate satisfactorily from DC to 11GHz. While similar to the BNC, the TNC connector features threaded couplings where vibration and shock are design considerations. A broad variety of mounting styles and cable affixement options are available.

Mini-UHF Series

Mini-UHF connectors are designed for operation from DC to 2.5GHz. where size, weight and cost elements are primary design considerations. The threaded coupling provides excellent RF performance and are impedance matched to 50 ohm cable. A broad variety of mounting styles and cable affixement aptions are available.

7/16

The 7/16 are designed for 50 ohm impedance to conform to the DIN standards, featuring excellent power-handling capability and low VSWR up to 7.5GHz. They provide superior performance for return loss and intermodulation distortion. These connectors are ideal for those applications where vibration resistance and environmental protection is important, such as radio base stations and broadcats communication application.

7/16 connectors are designed for use in high power communication systems. These connectors perform exceptionally well in multi-channel cellular systems where power levels approximate 100 watts per channel.

SMC

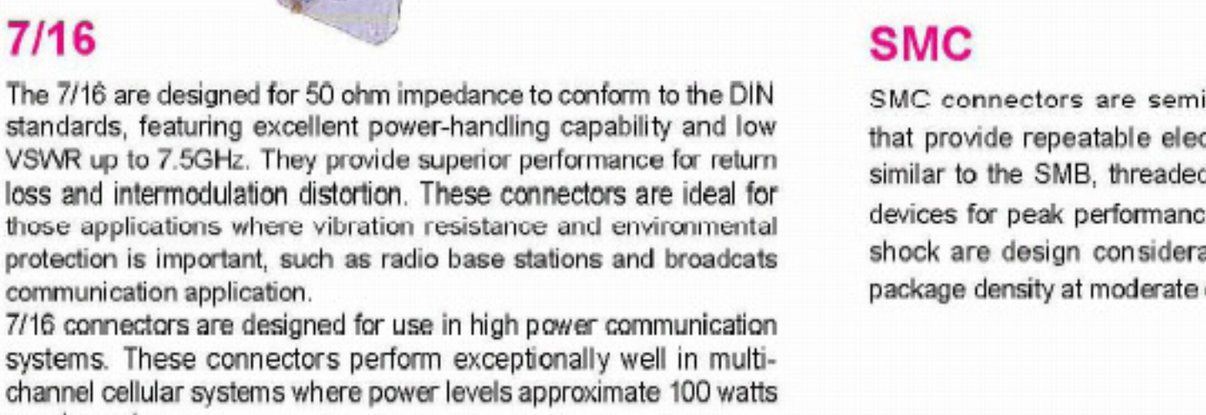
SMC connectors are semi-precision, sub-miniature devices that provide repeatable electrical performance to 10GHz. While similar to the SMB, threaded couplings are featured on the SMC devices for peak performance in applications where vibration and shock are design considerations Their small size permits high package density at moderate cost to the designer.

SSMB

SSMB connectors are microminiature devices that provide repeatable electrical performance from DC up to 4 GHz. They are a smaller version of the standard SMB connector, providing a means of quick-connect and disconnect through a snap-on typw coupling.

The SSMB design has straight and right angle cable versions, and printed circuit board styles that are available for crimp, clamp, and receptacle termination types.

Moreover the typical applications for SSMB connectors are military radio systems, video equipment, telecommunications, and GSM.



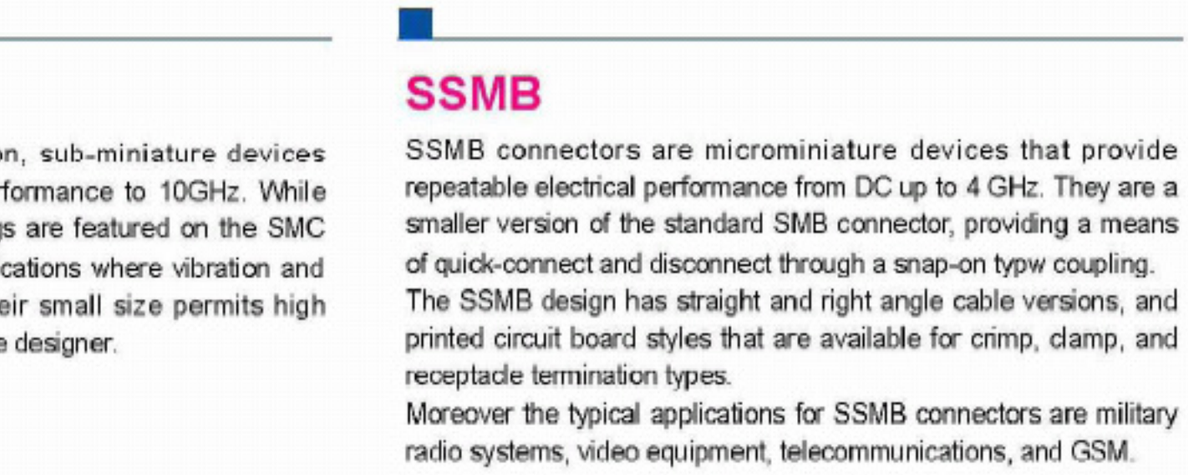
MCX Series

MCX microminiature connectors provide repeatable performance from DC to 6 GHz. A 30% space reduction from the SMB had been achieved making the unit ideal for GPS, wireless communications (WLAN and mobile) amd automotive applications The "snap-on" connection feature between devices offer the user ease of assembly in dense packaging arrangements.

The design of these devices have taken into consideration the need for size reduction, low weight, durability and reliable performance. The MCX devices enable a 30% space reduction over similar SMB/SMC types.

The MCX is available for affixement to industry standard cable and as a printed circuit board device. The ** snap-on * connection feature between devices offer the user ease of assembly in dense packaging layouts.

Applications of the MCX are those where size, weight, performance and ease of assembly are driving considerations to the final design decision. Typically, these include GPS, wireless communications (WLAN and mobile) and automotive.



MC-CARD

The MC-Card connector is an alternative to MMCX connectors, operates from DC to 6GHz with an impedance of 50ohm. The snap-on matingguaranties higher reliability. The wide range application includes modems and antennas connectors.

MC-Card series are Microminiature, 50-ohm connectors that feature snap-on mating and a frequency range of DC-6 GHz. MC-Card connectors are an alternative to MMCX connectors in many wireless and telecom applications.

They are similar to MMCX in performance, quick snap-on mating and de-mating and are designed to withstand a minimum of 5,000 mating cycles.