SMA-COM

INTRODUCTION

Radiall Commercial SMA connectors are specially designed for applications where low installation cost are most important. They are easy, fast to assemble and reliable, and offer the perfect solution for high volume applications requiring high level performance such as in civil telecommunications, data communications or test and measurement.

FULL COMPATIBILITY

Commercial SMA connectors are fully compatible (interchangeable and intermateable) with all existing MIL standardized SMA connectors. They feature the same performance level except for mechanical characteristics (life: 100 matings and coupling nut torque: 60 Ncm).

The coupling nut of Commercial SMA connectors features a special design which is different from the standard SMA coupling nut as the tightening torque is reduced.

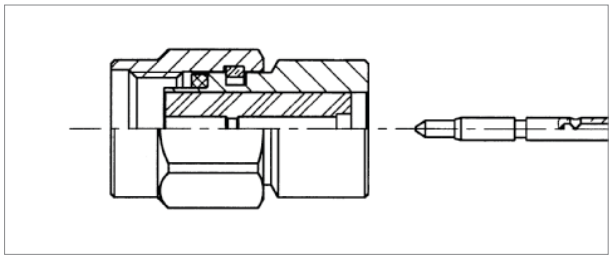
WIDE RANGE

The Commercial SMA series offers a wide range of solutions which are for every standard coaxial flexible or semi-rigid cable as well as PCB models with traditional through-hole pins or solder pads for SMT applications.

SIMPLE SNAP-IN AXIAL CAPTIVATION (FOR FULL CRIMP MODELS)

The relative position of the center contact into the interface is mechanically guaranteed by the snapping of the insulator inner shoulder into the groove of the center contact.

This design facilitates the captivation operation in contrast to other designs, requiring two insulators to provide contact retention. It assures constant and perfect axial positioning of the center contact into the interface.



SPACE-SAVING SIZE

Due to the captivation technique, these commercial SMA connectors are shorter than multi-piece body connectors.

CONVENIENT 3-PIECE DESIGN

- For straight models: body + center contact + outer ferrule
- For right angle models: single piece body + back cap + outer ferrule

FAST AND RELIABLE CABLE ATTACHMENT

The cable connectors can be either fully crimped or soldered/crimped, offering full flexibility for high volume industrial production with standard manual or pneumatic tooling: fast and reliable

- The center contact can be either crimped or soldered
- The outer contact is attached to the cable by crimping a ferrule

COMPETITIVE PRICING

The design and materials used in the manufacturing of the Commercial SMA series allow us to offer connectors at competitive prices to suit a wide range of applications. The connector body is manufactured in brass and the surface plating is available in either gold or in BBR finish (Radiall non-magnetic bright bronze surface finish).

CENTER CONTACT CAPTIVATION

Our connectors have a captive center contact.