

Standard Tight Tolerance SMA

The Tight Tolerance SMA connector family utilizes a threaded coupling nut system for mating and de-mating.

Available with stainless steel ferrules with custom hole size, the SMA is an excellent choice for a robust, cost competitive and reliable system.

Amphenol's long standing history and development of the SMA product ensures exceptional quality and long term reliability.

We continue to support further development and improvement with our SMA connectors and custom product offerings. Amphenol Fiber Optic Products was a pioneer in developing the first industry standard fiber optic interconnect system by introducing the SMA Connector.

Today Amphenol Fiber Optic Products continues to support these markets with a wide variety of standard and custom SMA connectors and accessories.



Features and Benefits

Stainless Steel Ferrules available in custom precision drilled optical fiber hole sizes for specialized applications

Custom stainless steel ferrule tip configurations available for high power laser delivery

Able to be sterilized through autoclave

Strain relief boots and dust caps available with medical grade material

Compatible with RFID Integrated Technology

Specifications

Insertion Loss (Zirconia Ferrule):
128um to 144um $\leq 1.0\text{dB}$ typical

Insertion loss (Stainless Steel): 128um to 144um $\leq 2.0\text{dB}$ typical

Tolerance for Stainless Steel Ferrule Holes:
125um to 149um: $+5/-0\text{um}$

Tolerance for Stainless Steel Ferrule Holes:
150um to 249um: $+5/-0\text{um}$

Tolerance for Stainless Steel Ferrule Holes:
250um to 599um: $+5/-0\text{um}$

Tolerance for Stainless Steel Ferrule Holes:
600um to 2300um: $+10/-10\text{um}$

Applications

Medical Specialty

Data Communications

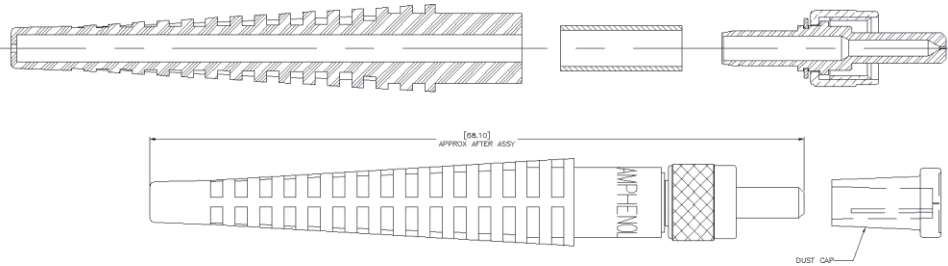
Industrial

Military

Industry Compliance

RoHS compliant

Meets IEC 61754-22 International standard; Part 22 Type F-SMA connector



Ordering Information

Part Number	Description
905-158-50170-P	905 SMA TIGHT TOLERANCE CONNECTOR, 170µm
905-158-50170HP	905 SMA TIGHT TOLERANCE CONNECTOR, 170µm, HEX NUT
905-158-50435-P	905 SMA TIGHT TOLERANCE CONNECTOR, 435µm
905-158-50435HP	905 SMA TIGHT TOLERANCE CONNECTOR, 435µm, HEX NUT
905-158-51600-P	905 SMA TIGHT TOLERANCE CONNECTOR, 1600µm
905-158-51600HP	905 SMA TIGHT TOLERANCE CONNECTOR, 1600µm, HEX NUT

*Please call customer service for additional configurations