

## Standard SMA

Amphenol Fiber Optic Products was a pioneer in developing the first industry standard fiber optic interconnect system by introducing the SMA connector.

The 905 series was the first fiber optic interconnect system to gain industry-wide acceptance. Today, Amphenol Fiber Optic Products continues to support these markets with a wide variety of standard and custom SMA connectors and accessories.

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

Available with zirconia or 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 standard and custom product offerings.



### 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

Compatible with RFID Integrated Technology

Strain relief boots and dust caps available with medical grade material

### 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:  $+10/-0\text{um}$

Tolerance for Stainless Steel Ferrule Holes:  
250um to 1499um:  $+15/-0\text{um}$

Tolerance for Stainless Steel Ferrule Holes:  
1500um to 2300um:  $+25/-0\text{um}$

### Applications

Medical Specialty

Data Communications

Industrial

Military

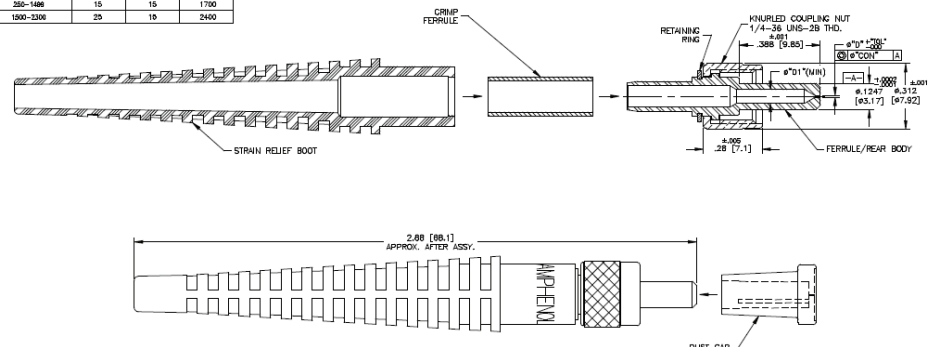
### Industry Compliance

RoHS compliant

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



FERRULE HOLE (MINIMUM) FRAMES "D" (UM)	WELDING TOL. (UM)	WELDING TOL. (UM)	WELDING TOL. (UM)	WELDING TOL. (UM)
135-148	5	10	10	1700
150-240	10	10	10	1700
250-1486	15	15	15	1700
1500-2306	25	15	15	2400



## Ordering Information

Part Number	Description
905-160-50128-P	905 SMA CONNECTOR, 128μm
905-160-50128HP	905 SMA CONNECTOR, 128μm, HEX NUT
905-160-50144-P	905 SMA CONNECTOR, 144μm
905-160-50144HP	905 SMA CONNECTOR, 144μm, HEX NUT
905-160-50231-P	905 SMA CONNECTOR, 231μm
905-160-50231HP	905 SMA CONNECTOR, 231μm, HEX NUT
905-160-52000-P	905 SMA CONNECTOR, 2000μm
905-160-52000HP	905 SMA CONNECTOR, 2000μm, HEX NUT

\*Please call customer service for additional configurations