

Manufacturer:
Amphenol Fiber Optic Products

Product Name:
Amphenol 905 SMARt SMA Connector, 128µm (micron) Ceramic Ferrule,
3mm Boot, Hex Nut

Manufacturer Part Number:
905-405-5007-H



Learn More

▶ Click here for more details on the Amphenol 905 SMARt SMA Connector, 128µm (micron) Ceramic Ferrule, 3mm Boot, Hex Nut



SMA Ceramic Zirconia Connector

SMA connector that features a ceramic flat ferrule and steel body

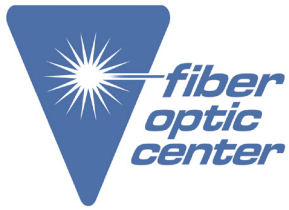
- Ceramic ferrules provide tighter tolerances compared to other SMA connectors.
- Amphenol can manufacture hole sizes up to 2000µm.
- Previously called SMARt connector.

Medical devices using laser energy for treatments like skin therapy, ophthalmic surgeries, or tumor removal require precise beam uniformity, pattern control, and minimal heating to optimize performance and patient outcomes. Effective connectors direct light into the fiber core, minimizing reflections and heating, while maximizing transmission efficiency. Amphenol connectors with ceramic ferrules ensure consistent performance and a uniform light beam, critical for applications requiring repeatability, such as dermatology or complex surgeries. These connectors reduce clad moding and improve long-term device efficiency by maintaining a stable beam launch.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com • 508-992-6464 • (800) 473-4237 • sales@focenter.com

Product specifications and data are subject to change without notice.



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Features/Benefits

- ▶ Designed for high-performance applications like eye surgery where beam uniformity is critical.
- ▶ Standard SMA Ceramic 905-400-5XXXX connectors, with popular configurations listed, but customizable options available.
- ▶ Customizable with hex or knurled nuts, dust caps, and boots.
- ▶ Optional components include crimps, dust caps, and boots; connectors can be sold unassembled for laser manufacturers.
- ▶ Stainless steel 303 bodies with zirconia ceramic ferrules for precise fiber positioning.
- ▶ Available in various ferrule sizes with high minimum order quantities.
- ▶ Complies with military SMA and IEC 61754-22 standards.
- ▶ Ferrules press-fit into stainless steel bodies for durability.

SMA Ceramic Connectors

Part Number	Ferrule Hole Size in um	Product Name	Requires Epoxy to secure Fiber to ferrule	Ferrule Length	Ferrule OD	Crimp Ferrule	Coupling Nut Material	Coupling Nut Type	Boot Diameter-Rear ID	Boot Logo	Boot Color	Cap Type	Sterilization (ETO requires optional slit cap)
905-400-5007	144	SMA Ceramic Connector	Yes	.38620 +.00015 / -.00030"	3.172 +0.0 / -.006 mm	Yes	Nickel Plated Brass	Knurled	2.84 mm	Yes	Black	T-Style	Autoclave , ETO, Chemical
905-405-5002	126	SMA Ceramic Connector	Yes	.38620 +.00015 / -.00030"	3.172 +0.0 / -.006 mm	Yes	Nickel Plated Brass	Knurled	2.84 mm	Yes	Black	T-Style	Autoclave , ETO, Chemical
905-405-5007	128	SMA Ceramic Connector	Yes	.38620 +.00015 / -.00030"	3.172 +0.0 / -.006 mm	Yes	Nickel Plated Brass	Knurled	2.84 mm	Yes	Black	T-Style	Autoclave , ETO, Chemical

Meets QA Standards:

REACH 240 Compliant
RoHS Certificate of Compliance



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