



HF860 Radio Frequency Probe

Center: 5,00mm/197 mil | Current: 10A (ring) / 2A (internal) | Frequency: up to 4 GHz | Temperature: -20° ...+80° C | Z: 50 Ohm

Connector type	Specific HF860 order code	Connecting element
SMA-Female	HF86002B0001G530	MCX-Male
SMB-Male	HF86005B0004G530	MCX-Male
SMB-Female	HF86002B0005G530	MCX-Male
SMC-Male	HF86005B0003G530	MCX-Male
U.FL-Male	HF86005B0002G530	MCX-Male
RF-Male	HF86005B0007G530	MCX-Male



HF860 Radio Frequency Probe

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HF860 probe for contacting SMA-Female.

A solder-free connecting is possible by using connecting element H860AE. The external contact is twist proof.

Mechanical specifications

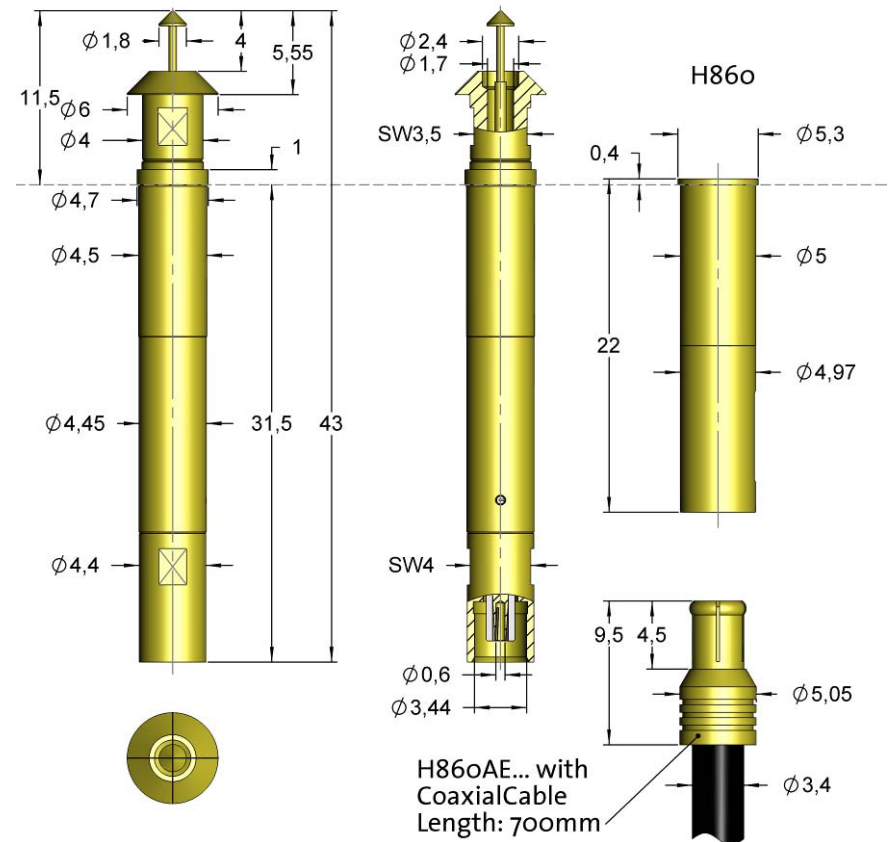
Internal: nominal travel: 2,00 mm
 maximum travel: 3,70 mm
 preload: 75 cN
 nominal spring force: 130 cN

Ring: nominal travel: 4,00 mm
 maximum travel: 5,00 mm
 preload: 90 cN
 nominal spring force: 400 cN

Materials and Plating

Barrel: Brass, gold plated
 Plunger (ring): BeCu, gold plated
 Spring (ring): stainless steel, unplated
 Plunger (internal): BeCu, gold plated
 Spring (internal): Music wire, gold plated

Order Code: HF86002B0001G530 (SMA-Female)





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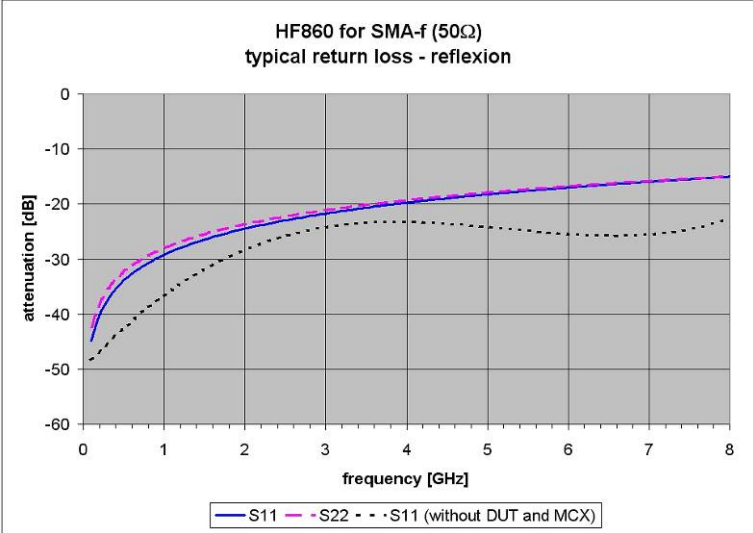
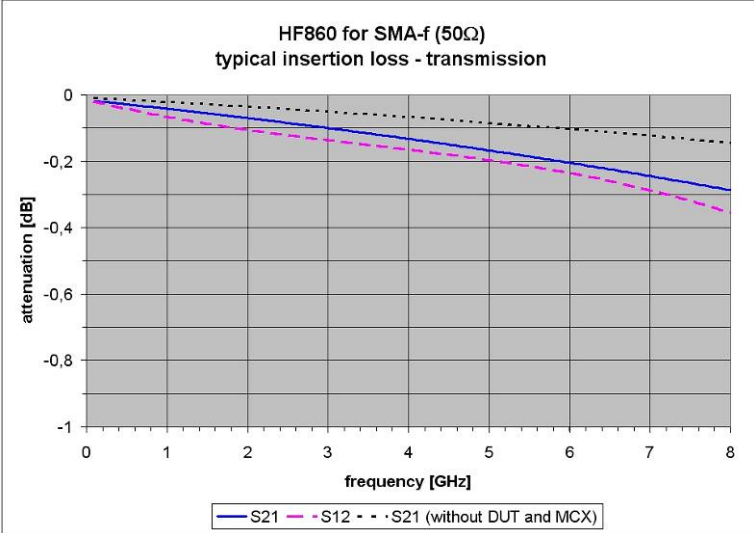
SMA-Female



HF86002B0001G530



MCX-Male





HF860 Radio Frequency Probe

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HF860 probe for contacting SMB-Male.

A solder-free connecting is possible by using connecting element H860AE. The external contact is twist proof.

Mechanical specifications

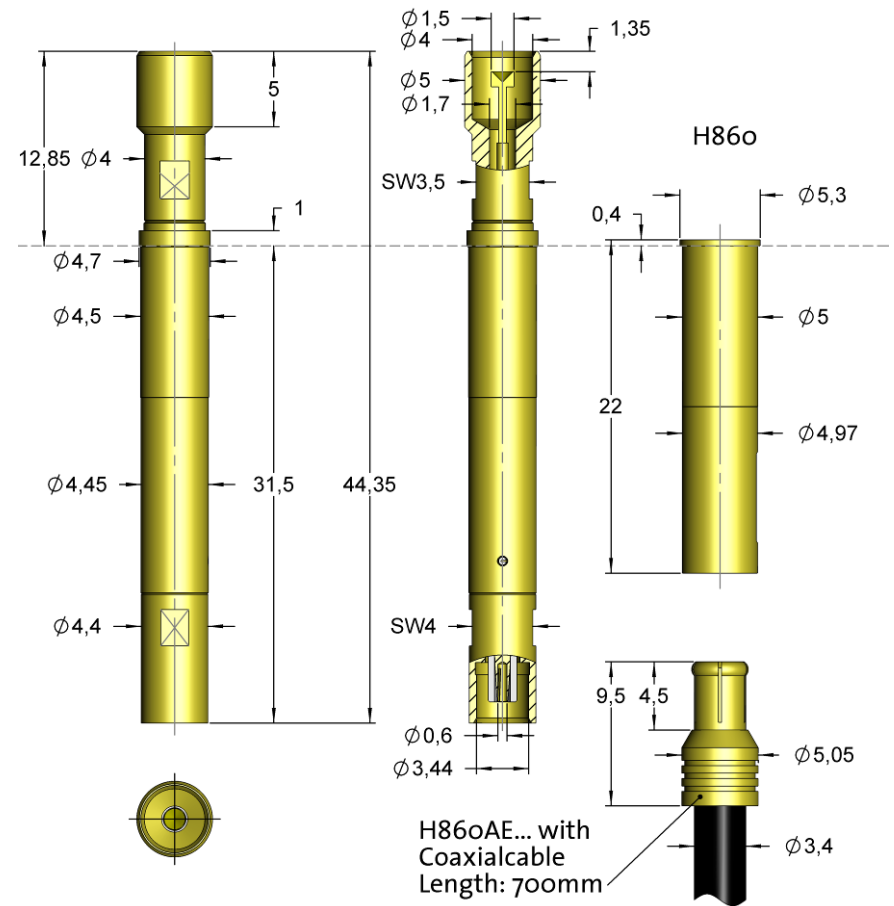
Internal: nominal travel: 2,00 mm
 maximum travel: 3,70 mm
 preload: 75 cN
 nominal spring force: 130 cN

Ring: nominal travel: 4,00 mm
 maximum travel: 5,00 mm
 preload: 90 cN
 nominal spring force: 400 cN

Materials and Plating

Barrel: Brass, gold plated
 Plunger (ring): BeCu, gold plated
 Spring (ring): stainless steel, unplated
 Plunger (internal): BeCu, gold plated
 Spring (internal): Music wire, gold plated

Order Code: HF86005B0004G530 (SMB-Male)





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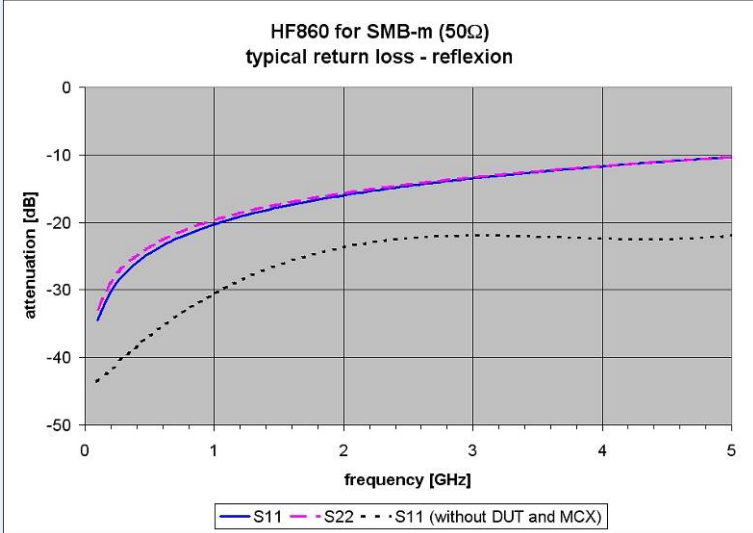
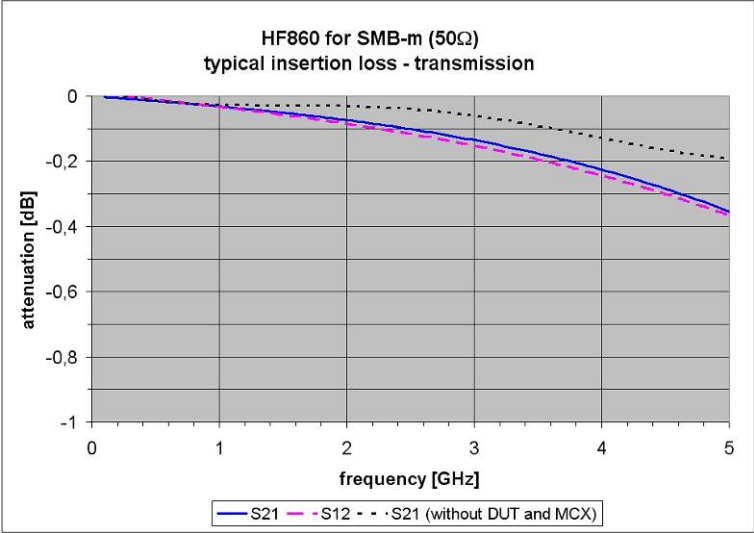
SMB-
Male



HF86005B0004G530



MCX-
Male





HF860 Radio Frequency Probe

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HF860 probe for contacting SMB-Female.

A solder-free connecting is possible by using connecting element H860AE. The external contact is twist proof.

Mechanical specifications

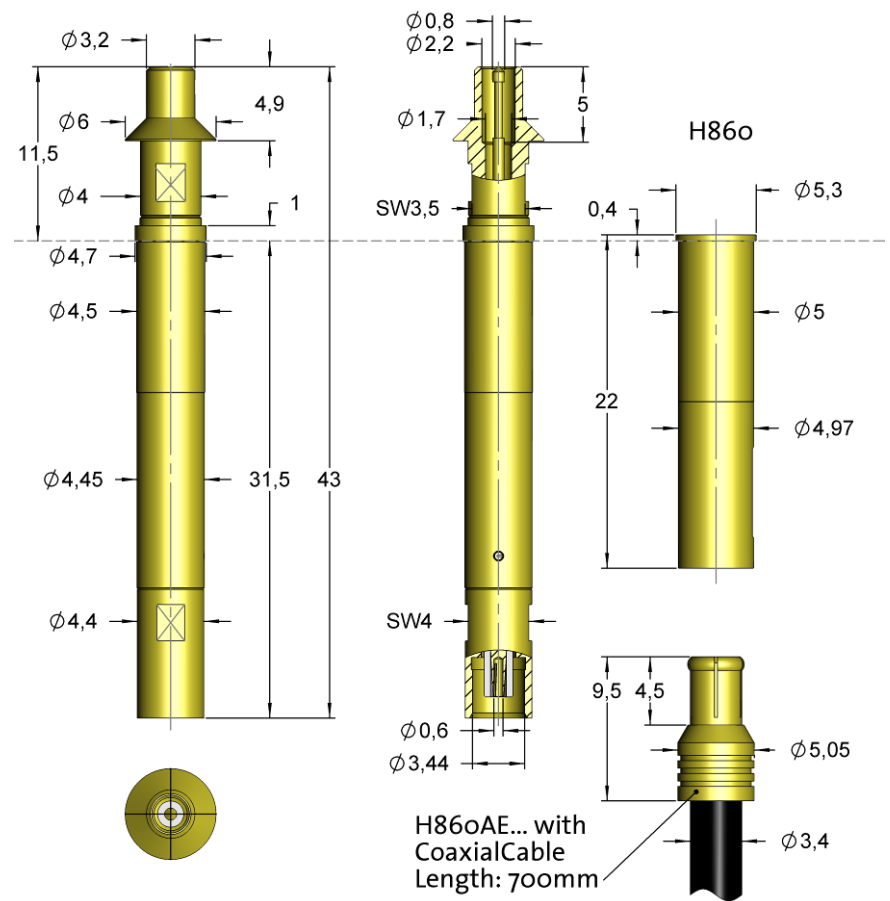
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 nominal spring force: 130 cN

Ring: nominal travel: 4,00 mm
 maximum travel: 5,00 mm
 preload: 90 cN
 nominal spring force: 400 cN

Materials and Plating

Barrel: Brass, gold plated
 Plunger (ring): BeCu, gold plated
 Spring (ring): stainless steel, unplated
 Plunger (internal): BeCu, gold plated
 Spring (internal): Music wire, gold plated

Order Code: HF86002B0005G530 (SMB-Female)





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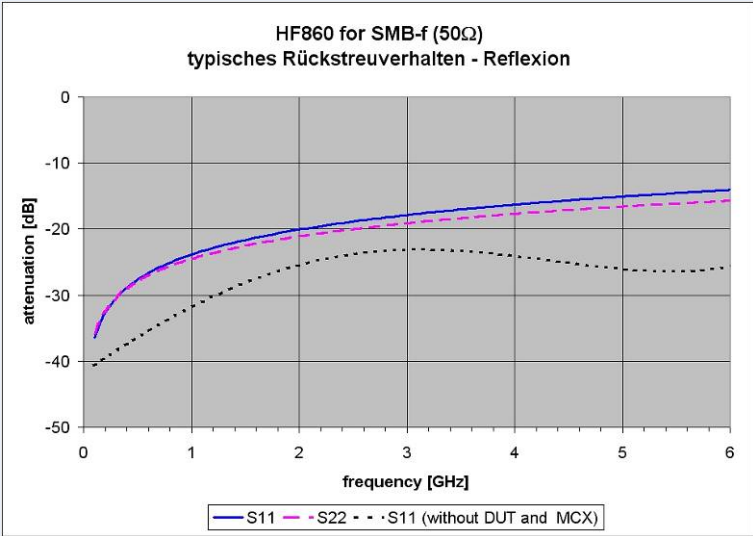
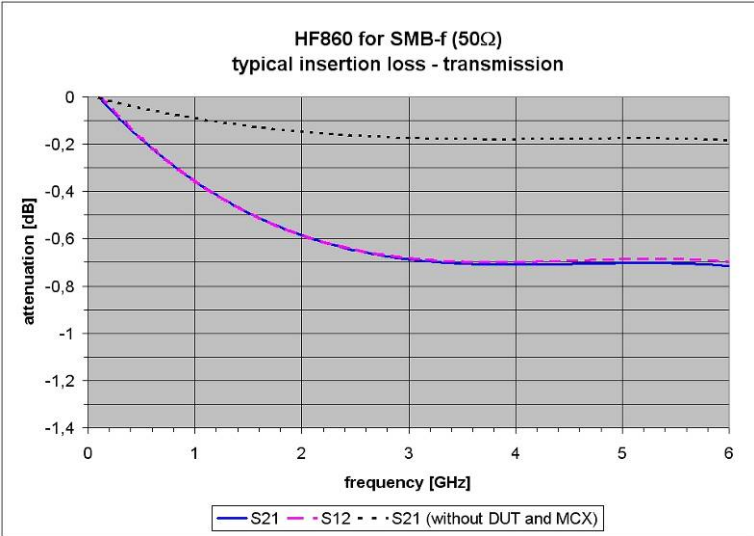
SMB-Female



HF86002B0005G530



MCX-Male





HF860 Radio Frequency Probe

Center: 5,00mm/197 mil | Current: 10A (ring) / 2A (internal) | Frequency: up to 4 GHz | Temperature: -20° ...+80° C | Z: 50 Ohm

HF860 probe for contacting SMC-Male.

A solder-free connecting is possible by using connecting element H860AE. The external contact is twist proof.

Mechanical specifications

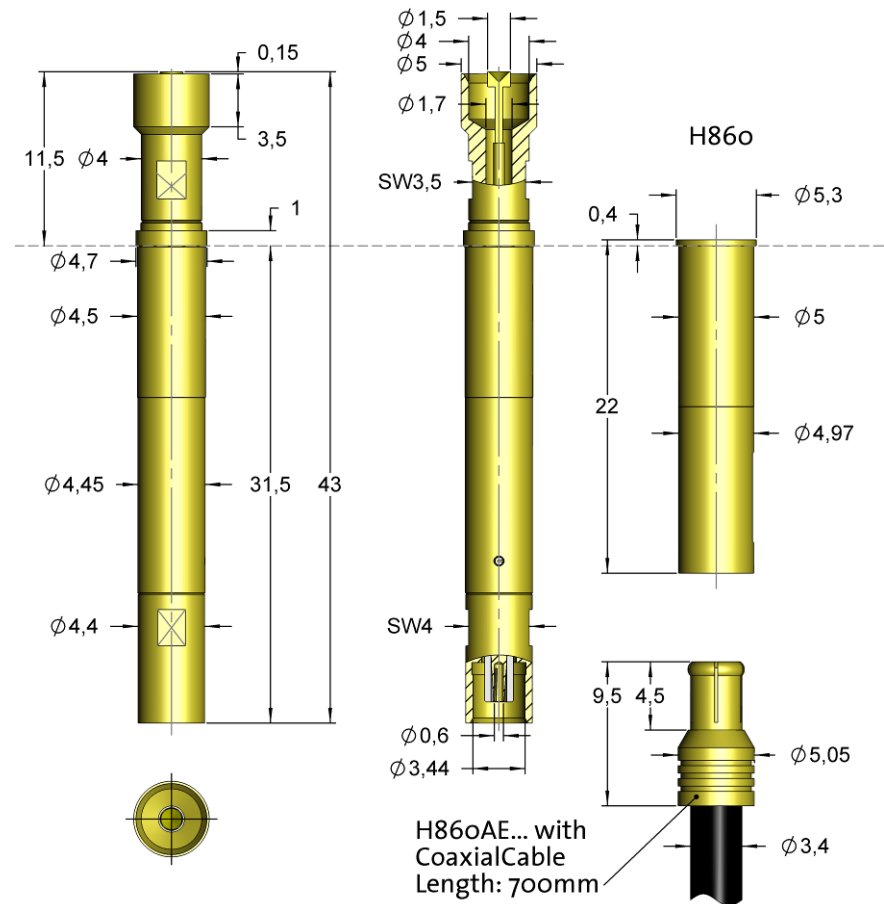
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Ring: nominal travel: 4,00 mm
 maximum travel: 5,00 mm
 preload: 90 cN
 nominal spring force: 400 cN

Materials and Plating

Barrel: Brass, gold plated
 Plunger (ring): BeCu, gold plated
 Spring (ring): stainless steel, unplated
 Plunger (internal): BeCu, gold plated
 Spring (internal): Music wire, gold plated

Order Code: HF86005B0003G530 (SMC-Male)





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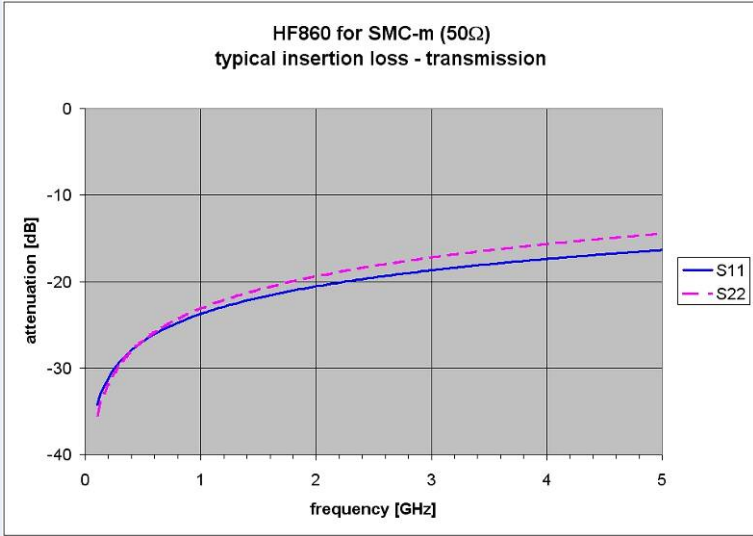
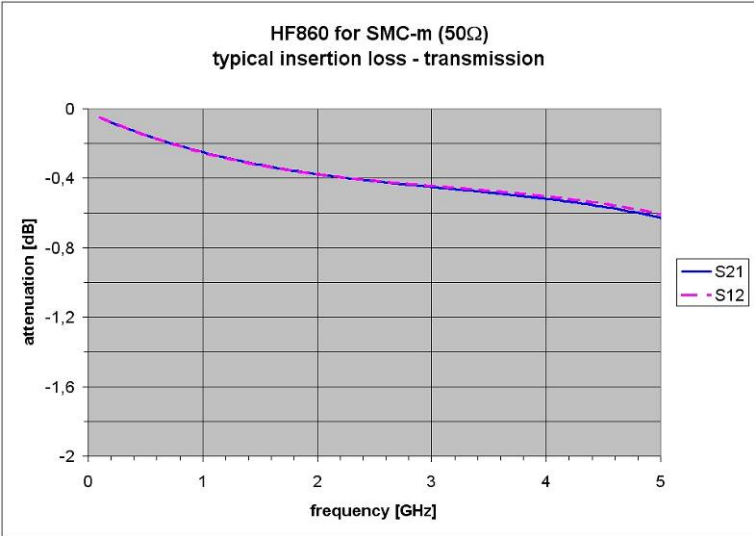
SMC-
Male



HF86005B0003G530



MCX-
Male





HF860 Radio Frequency Probe

Center: 5,00mm/197 mil | Current: 10A (ring) / 2A (internal) | Frequency: up to 4 GHz | Temperature: -20° ...+80° C | Z: 50 Ohm

HF860 probe for contacting U.FL-Male.

A solder-free connecting is possible by using connecting element H860AE. The external contact is twist proof.

Mechanical specifications

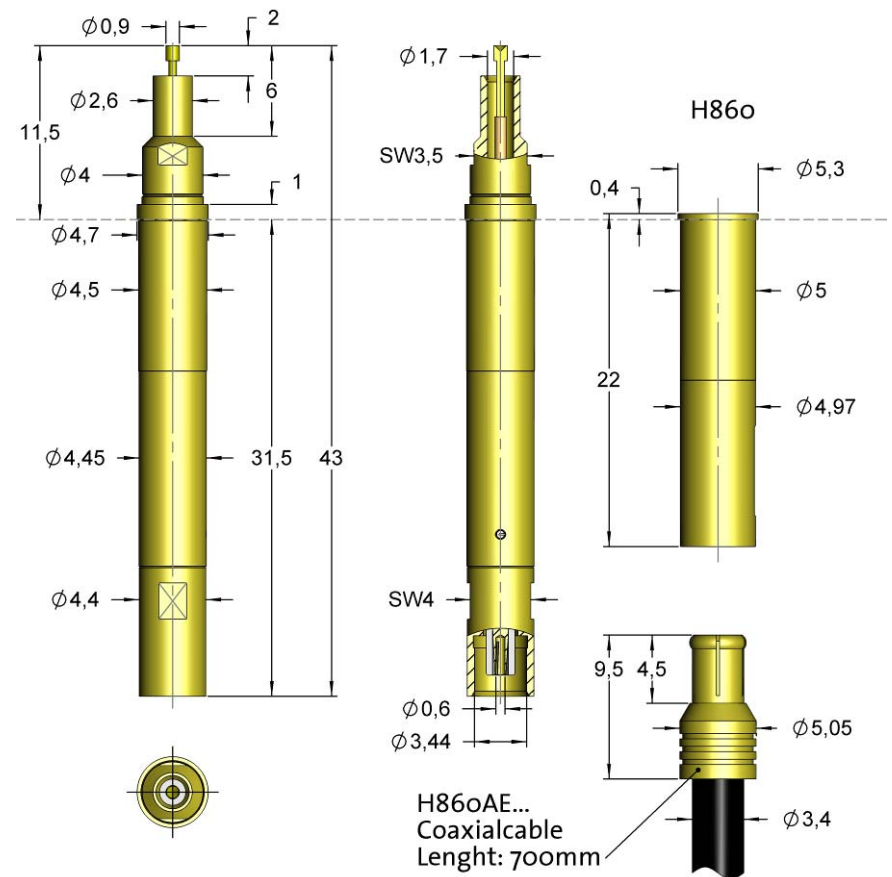
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 nominal spring force: 400 cN

Materials and Plating

Barrel: Brass, gold plated
 Plunger (ring): BeCu, gold plated
 Spring (ring): stainless steel, unplated
 Plunger (internal): BeCu, gold plated
 Spring (internal): Music wire, gold plated

Order Code: HF86005B0002G530 (U.FL-Male)





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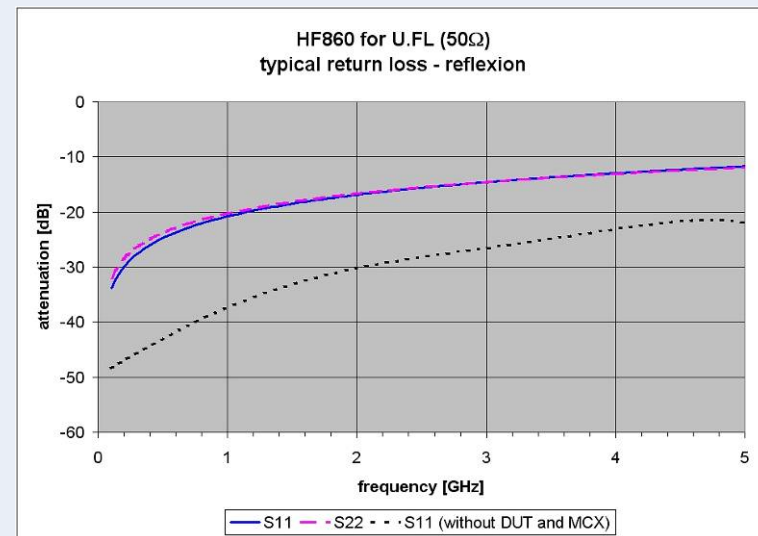
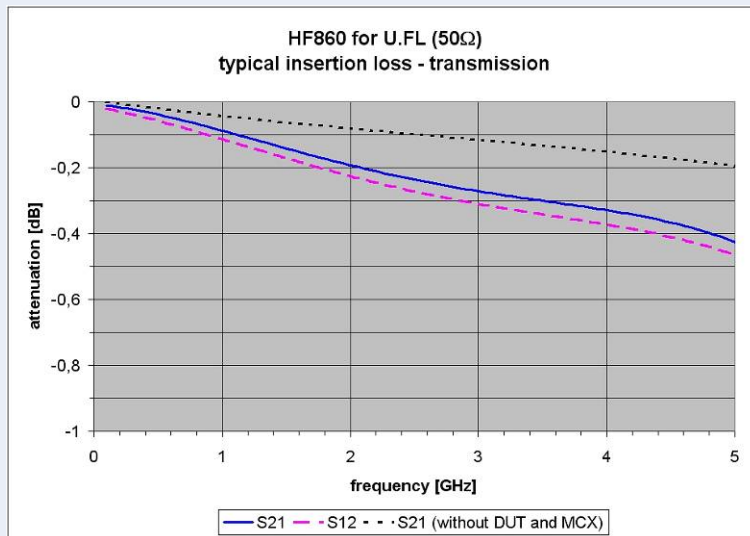
U.FL-Male



HF86005B0002G530



MCX-
Male





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Connecting cables for HF860

H860AE1

Connecting cable preassembled
Type RG316



Specification RG 316

Impedance:	50 Ohm
Bandwidth:	recommended up to 3 GHz
Standard length:	700 mm
Standard end 1:	Connector MCX-male
Standard end 2:	without connector

other connectors on request

H860AE2

Connecting cable preassembled
Type Multiflex 86



Specification Multiflex 86

Impedance:	50 Ohm
Bandwidth:	recommended up to 10 GHz
Standard length:	700 mm
Standard end 1:	Connector MCX-male
Standard end 2:	Connector SMA-male

other connectors on request