

MH113* SERIES

MICRO HIGH FREQUENCY RF CABLES

SPECIFICATIONS

For complete specifications see www.samtec.com?MH113

Outer Contact Material:

Au plated Phosphor Bronze

Center Contact Material:

Au plated Phosphor Bronze (MHX)

Au plated BeCu (SMA)

Insulator Material:

PBT (MHX)

PTFE (SMA)

Operating Temperature:

-10°C to +90°C

Voltage Rating:

170V max

Dielectric Withstanding Voltage:

200 Vrms

Frequency Range:

0~3 GHz

Contact Resistance:

Center Contact: 6mΩ max

Outer Contact: 2mΩ max

Insulator Resistance:

5,000 MΩ

Impedance:

50Ω

RoHS Compliant:

Yes

1,13mm Cable:
Impedance:

50Ω

Capacitance:

95pF/meter

Max Attenuation

(cable only):

2dB @ 1GHz

Conductor Size:

32 AWG, (1,13mm) .045" dia.

Conductor Material:

Silver Plated Copper

Conductor Resistance:

0.60Ω/meter max

Insulator Diameter:

(0,66mm) .026"

Insulator Material: FEP

Shield Material:

Tinned Copper

Jacket Material: FEP

Jacket Diameter:

(1,13mm) .045" dia

Jacket Temp Rating:

-40°C to +90°C

RoHS Compliant:

Yes

ALSO AVAILABLE

- Additional end connector combinations and overall lengths

Contact:

RFgroup@samtec.com

REMOVAL TOOL

-MH1RP = RSP-122893-01

* MH113 Series was previously RF113 Series

ALSO AVAILABLE

- Micro RF PCB connectors for Micro High Frequency RFs
- MH1RP end mates with RSP-122811-01



Micro High Frequency RF, MHF or SMA Bulkhead

RF Cable Builder

Quickly...Build a cable.
Verify a part number.
View print, Request price,
Order sample...all online!

www.samtec.com/rfbuilder

Mating PCB connectors available

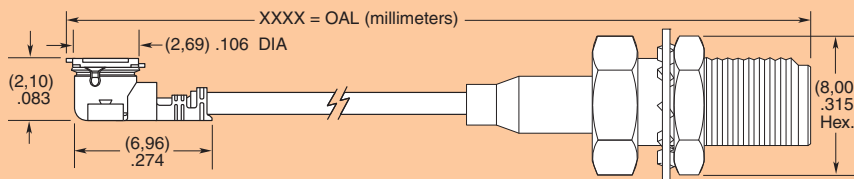
MH113

END 1 CONNECTOR

END 2 CONNECTOR

OVERALL LENGTH

Specify
END OPTIONS
from chart


END OPTIONS

-MH1RP = MHF1 Type Plug
(30μ" (0,76μm) Gold on Center Contact,
Gold Flash on Shell)



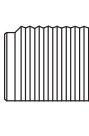
-01BJ1 = SMA, Straight Bulkhead Jack

-01BJ2 = SMA, Straight Bulkhead Jack,
Reversed Polarity

-01SB1 = SMA, Straight Jack, Sealed Bulkhead

-01SR1 = SMA, Straight Jack, Sealed Bulkhead,
Reversed Polarity

(30μ" (0,76μm) Gold on Center Contact,
Gold Flash on Shell)



-SING =
Single-Ended
(End 2 callout)



XXXXXX =
Stripped & Tinned
(End 2 callout)



-0030
= 1.18" (30mm)

-0050
= 1.97" (50mm)

-0100
= 3.94" (100mm)

-0150
= 5.91" (150mm)

-0300
= 11.81" (300mm)

**STRIPPED & TINNED
(Dimensions in mm)**

CALLOUT	A	B	C
-303030	3.0	3.0	3.0
-303040	3.0	3.0	4.0
-403030	4.0	3.0	3.0
-403040	4.0	3.0	4.0
-404040	4.0	4.0	4.0

Both center conductor and braid shield are stripped, only the center conductor is tinned.
Call Samtec for other sizes or tinning options.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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