



MICRO HIGH FREQUENCY RF CABL

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: -40°C to +90°C Voltage Rating: 170V max Dielectric Withstanding Voltage:

200 Vrms Frequency Range: 0~3 GHz

Contact Resistance: Center Contact: $6m\Omega$ max Outer Contact: $2m\Omega$ max Insulator Resistance: $5.000~\mathrm{M}\Omega$ Impedance: 50Ω RoHS Compliant: Yes

1.13 mm Cable: Impedance: 50Ω

Capacitance: 95 pF/meter Max Attenuation (cable only): 2dB @ 1 GHz Conductor Size: 32 AWG, (1.13 mm) .045" dia. Conductor Material: Silver Plated Copper Conductor Resistance: 0.60Ω/meter max Insulator Diameter: (0.66 mm) .026" Insulator Material: FEP Shield Material: Tinned Copper
Jacket Material: FEP Jacket Diameter: (1.13 mm) .045" dia **Bend Radius:** 6.8 mm Jacket Temp Rating: -40°C to +90°C

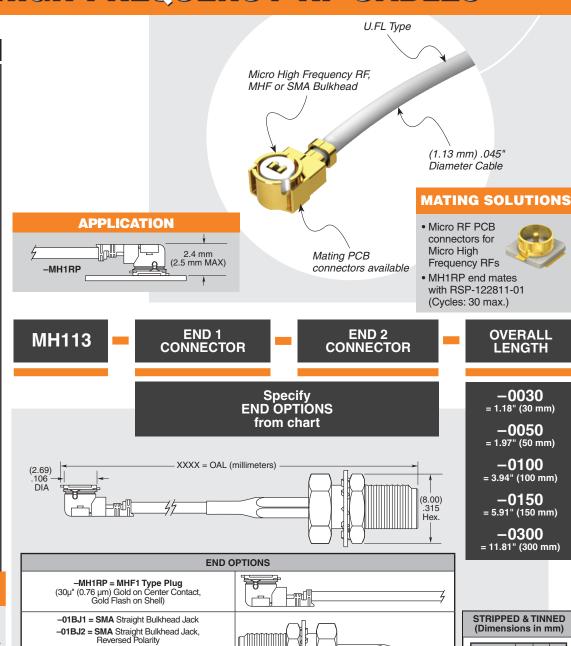
ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options
- · Additional end connector combinations
- · Overall lengths Contact Samtec

RoHS Compliant: Yes

EXTRACTION TOOL

- -MH1RP = RSP-122893-01
- * MH113 Series was previously RF113 Series



(Dimensions in mm)

CALLOUT	Α	В	С
-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.

- B |-

-01SB1 = SMA Straight Jack, Sealed Bulkhead

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

(30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)

-SING =

Single Ended (End 2 callout)

XXXXXX = Stripped & Tinned (End 2 callout)