



CONNECTOR

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: 170 V max Dielectric Withstanding Voltage: Frequency Range: 0~6 GHz Impedance:

1.13 mm Cable:

RoHS Compliant:

Impedance: 50 O Capacitance: 95 pF/meter Max Attenuation (cable only): 2 dB @ 1 GHz Conductor Size: 32 AWG, (1.13 mm) .045" dia. Conductor Material: Silver Plated Copper Conductor Resistance: 0.60 Ω/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 RoHS Compliant: Yes

ALSO AVAILABLE (MOQ Required)

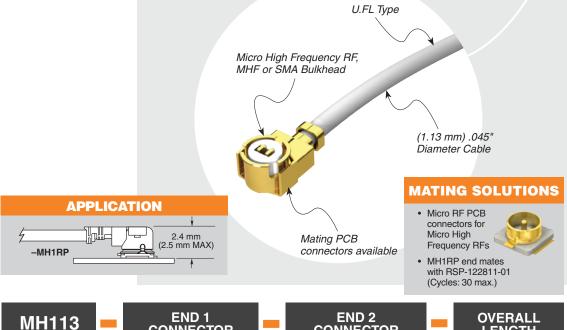
- Additional stripping and tinning options
- · Additional end connector combinations
- · Overall lengths

Contact Samtec.

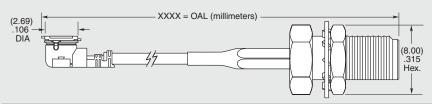
EXTRACTION TOOL

• -MH1RP = RSP-122893-01

* MH113 Series was previously RF113 Series



Specify END OPTIONS from chart



CONNECTOR

END OPTIONS			
-MH1RP = MHF1 Type Plug (3.9 μ" (.1 μm) Gold on Center Contact, 1.9 u" (.05 μm) Gold on Shell)	7		
-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 (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)			
-SING = Single Ended (End 2 callout)	Ź		
XXXXX = Stripped & Tinned (End 2 callout)	B + A +		

OVERALL LENGTH

-0030= 1.18" (30 mm)

-0050= 1.97" (50 mm)

-0100 = 3.94" (100 mm)

-0150

= 5.91" (150 mm) -0300

= 11.81" (300 mm)

STRIPPED & TINNED (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.