



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



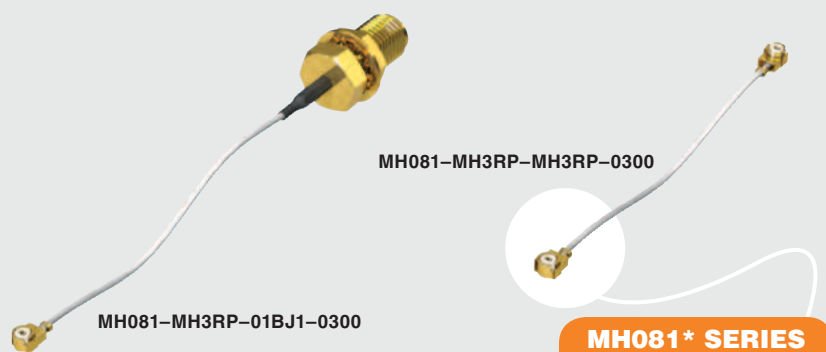
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





MH081* SERIES

MICRO HIGH FREQUENCY RF CABLES

SPECIFICATIONS

For complete specifications see www.samtec.com?MH081

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: 200 Vrms
Frequency Range:
0-6 GHz
Impedance: 50 Ω
RoHS Compliant: Yes

0.81 mm Cable:

Impedance:
50 Ω
Capacitance:
100 pF/meter
Max Attenuation (cable only):
3.1 dB @ 1 GHz
Conductor Size:
36 AWG, (0.81 mm) .032" dia.
Conductor Material:
Silver Plated Copper
Conductor Resistance:
1.40 Ω/meter max
Insulator Diameter:
(0.4 mm) .016"
Insulator Material:
FEP
Shield Material:
Silver Plated Copper
Jacket Material:
PFA
Jacket Diameter:
(0.81 mm) .032" dia.
Bend Radius:
5.0 mm
Jacket Temp Rating:
-40 °C to +90 °C
RoHS Compliant: Yes

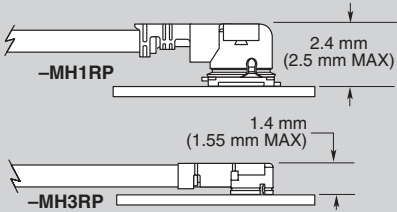
ALSO AVAILABLE (MOQ Required)

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

EXTRACTION TOOLS

- -MH1RP = RSP-122893-01
- -MH3RP = RSP-122893-02

APPLICATION



U.FL and W.FL Types

Micro High Frequency RF, MHF or SMA Bulkhead

(0.81 mm) .032" Diameter Cable

Mating PCB connectors available

MATING SOLUTIONS

- Micro RF PCB connectors for Micro High Frequency RFs
- MH1RP end mates with RSP-122811-01 (Cycles: 30 max.)
- MH3RP end mates with RSP-122811-02

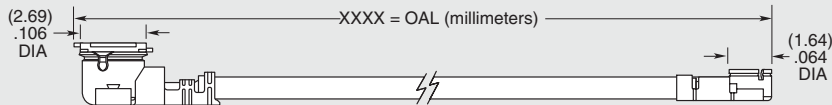
MH081

END 1 CONNECTOR

END 2 CONNECTOR

OVERALL LENGTH

Specify END OPTIONS from chart



-0030
= 1.18" (30 mm)

-0050
= 1.97" (50 mm)

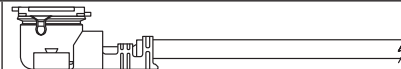
-0100
= 3.94" (100 mm)

-0150
= 5.91" (150 mm)

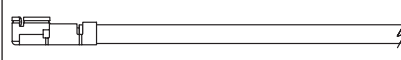
-0300
= 11.81" (300 mm)

END OPTIONS

-MH1RP = MHF1 Type Plug
(3.9 μ" (.1 μm) Gold on Center Contact, 1.9 μ" (.05 μm) Gold on Shell)



-MH3RP = MHF3 Type Plug
(3.9 μ" (.1 μm) Gold on Center Contact, 1.9 μ" (.05 μm) Gold 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

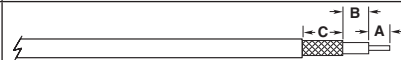


(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)

-SING = Single Ended (End 2 callout)



XXXXXX = Stripped & Tinned (End 2 callout)



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.

* MH081 Series was previously RF081 Series