

RUGGED U.FL / MHF® 1 SOLUTIONS

FEATURES

- Extended ferrule length provides a metalized strain relief for increased durability
- 500 mating cycles
- Mixed technology PCB connector for improved durability, prevents shearing (RSP-237256-XX)
- Intermateable with industry standard U.FL/MHF® 1 board connectors (RSP-122811-01)
- 50 Ohm impedance
- Frequency: DC to 10 GHz
- .047" low-loss flexible cable, 29 AWG (RF047-A)
- Mated height (with right-angle cable connector):
 - 4 mm max. (-11RP9 HMHF1 + RSP-122811-01)
 - 4.75 mm max. (-11RP9 HMHF1 + RSP-237256-XX)
- Visit samtec.com/rugged-ufl or contact RFGroup@samtec.com for more information

Extended ferrule protects solder joint for a rugged, durable connection



MATED HEIGHTS



50 Ω U.FL/MHF® 1 RF CABLE TO 10 GHZ

MHF® is a registered trademark of I-PEX® Inc.

SERIES

RF047-A

= (1.2 mm) .047" overshield DIA
29 AWG millimeter wave cable

END 1 CONNECTOR

Specify END OPTION from chart

END 2 CONNECTOR

OVERALL LENGTH

- "XXXX"

= Overall Length in millimeters
-0100 (100 mm) 3.94" minimum

U.FL/MHF® 1 Cable Assemblies

RF047-A



PRELIMINARY

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.

RELATED SOLUTIONS

- Micro High Frequency (MHF® 1) to 6 GHz
 - On 0.81 mm cable (MH081 Series)
 - On 1.13 mm cable (MH113 Series)

END OPTIONS

-11SP9 = HMHF1 U.FL/MHF® 1 Straight Plug	
-11RP9 = HMHF1 U.FL/MHF® 1 Right-Angle Plug, Metal Strain Relief	
-SING = Single Ended (End 2 Callout)	
-XXXXXX = Stripped & Tinned (End 2 Callout)	