



# MICRO RF CABLE ASSEMBLY RFC-081, RFC-113

## SPECIFICATIONS

For complete specifications  
[www.samtec.com?RFC-081](http://www.samtec.com?RFC-081) or  
[www.samtec.com?RFC-113](http://www.samtec.com?RFC-113)

- Shell Material:**  
Brass
- Contact Material:**  
Brass
- Operating Temperature:**  
-65°C to +165°C
- Voltage Rating:**  
170V max
- Dielectric Withstanding Voltage:**  
750 Vrms
- Contact Resistance:**  
Center Contact: 6mΩ max  
Outer Contact: 2mΩ max
- Insulator Resistance:**  
5,000 MΩ
- Impedance:**  
50Ω

### ALSO AVAILABLE

Micro Mini RF PCB connectors for MHFX.  
 Contact [RFgroup@samtec.com](mailto:RFgroup@samtec.com)

Heat Shrink and Reverse Option

(0,81mm) .032"  
 or (1,13mm) .045"  
 Diameter Cable

Micro High Frequency RF (End 1) and  
 MHF or SMA Bulkhead (End 2)

RFC	CABLE TYPE	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH	OPTIONS
-081 = (0,81mm) .032" Diameter	-113 = (1,13mm) .045" Diameter	-MHF1 = MHF1 Type, Plug  -MHF3 = MHF3 Type, Plug (-081 Cable Type only)	-MHF1 = MHF1 Type, Plug  -MHF3 = MHF3 Type, Plug (-081 Cable Type only)  -SMA5 = SMA-BHX Bulkhead, Straight Jack (-081 Cable Type only)  -SMA6 = SMA-BHX Bulkhead, Straight Jack (-113 Cable Type only)	-“XX.XX” = Overall Length in Inches (152mm) 06.00" to (1m) 40.00"	-H = Heat Shrink  -R = Reverse Option

**END OPTIONS**

-MHF1	
-MHF3	
-SMA5	
-SMA6	

**END NO. 1**  
-081-MHF1-MHF3-XX.XX-R  
**SHOWN**

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

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