



50Ω RG 174 CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF174

RF Connector:

Outer Contact Material:
Ni plated Brass (BNC)
Au plated Brass (SMB & SMA)
Au plated Becu (MCX & MMCX)
Center Contact Material:
Au plated Brass (BNC-P, MCX-P, Au plated BeCu (SMB-P & SMA-J) Au plated BeCu (SMB-P & SMA-J) Au plated Phos. Bronze (BNC-J) Insulator Material:

Operating Temperature: -50°C to +90°C Insulator Resistance:

 $5.000 M\Omega$ Impedance:

50Ω Frequency Range: 0~6 GHz

(Cable & connector dependent)
RoHS Compliant:

RG 174 Cable: Impedance: 50Ω Capacitance: 101.024 pF/meter Max Attenuation (cable only): 1.4dB @ 1 GHz for 1 meter Conductor Size: 26 AWG, (0.48 mm) .019" dia. Conductor Material: Copper Insulator Material: LEP Shield Material: Tin Copper Jacket Material: PVC Jacket Diameter: (2.70 mm) .106" Jacket Color: Black

Bend Radius: 25.4 mm RoHS Compliant: Mates with:

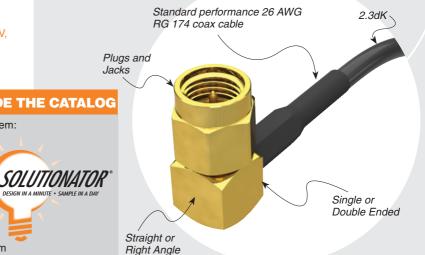
MCX, MMCX, MMCXV, SMA, SMB5, BNC5, TNC, NTPE

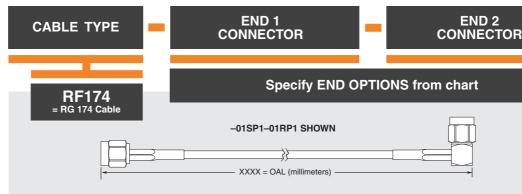
THINK OUTSIDE THE CATALOG

Create a full system: cable assembly and board level mates, 50Ω and 75Ω solutions 24-hour

samples on standard products

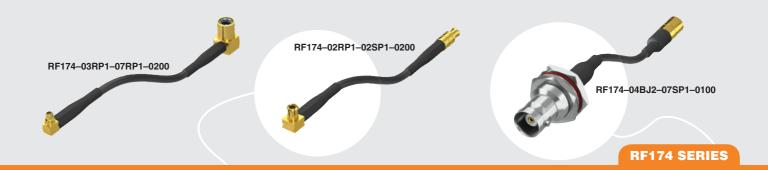
• Visit: rf.samtec.com





END OPTIONS					
-01SP1 = SMA Straight Plug (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)					
-01RP1 = SMA Right Angle Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-07SP1 = SMB Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-07RP1 = SMB Right Angle Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-02SJ1 = MCX Straight Jack (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)					

END OPTIONS					
-02RP1 = MCX Right Angle Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-02SP1 = MCX Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-03SP1 = MMCX Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)					
-03RP1 = MMCX Right Angle Plug (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)					
-V3SP1 = MMCXV Straight Plug, High Vibration (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)					
-V3RP1 = MMCXV Right Angle Plug, High Vibration (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)					
-V3SJ1 = MMCXV Straight Jack, High Vibration (30µ" (0.76 µm) Gold on Center Contact, Nickel on Shell)					

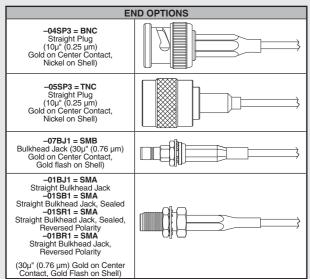


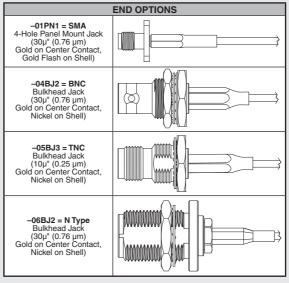


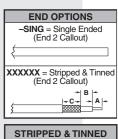
OVERALL LENGTH

-"XXXX"

= Overall Length in millimeters –0100 (100 mm) minimum (Cable lengths larger than 1000 millimeters are not supported by S.I. Test data)







(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.