

RF23C SERIES

50 Ω 50 GHz RF CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications see www.samtec.com?RF23C

RF Connector:

Shell Material: Stainless Steel
Contact Material: BeCu

Cable Body: Stainless Steel
Insulator Material: Ultem 1000

Operating Temperature: -65 °C to +125 °C

Impedance: 50 Ω

Frequency Range: 50 GHz

RoHS Compliant: Yes

MWC-2350CU-01

Cable:

Type: Low Loss Microwave Coax

Gauge: 23 AWG

Shield Material:
 1. Flat silver plated copper
 2. Copper tape
 3. Silver plated copper braid

Dielectric: Solid FEP

Jacket Material: FEP

Bend Radius: 6 mm

Impedance: 50 Ω ±1 Ω

Propagation Delay: 4.76 nsec/meter

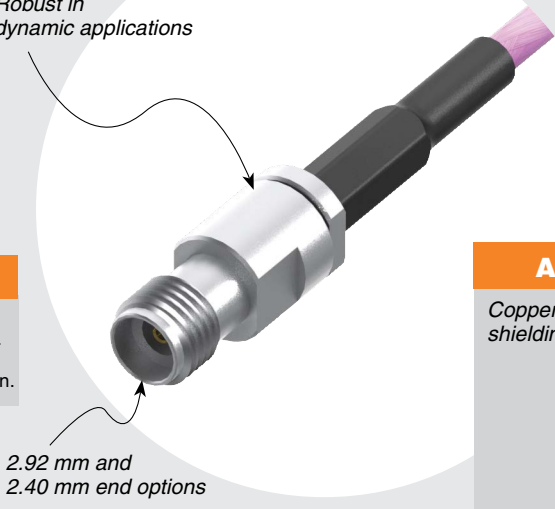
Capacitance: 97.80 pF/meter

Mates with:
292

Robust in dynamic applications

TEST REPORTS

Visit www.samtec.com?RF23C or contact RFTechnicalGroup@samtec.com for Insertion Loss, Return Loss, V.S.W.R. and other testing information.

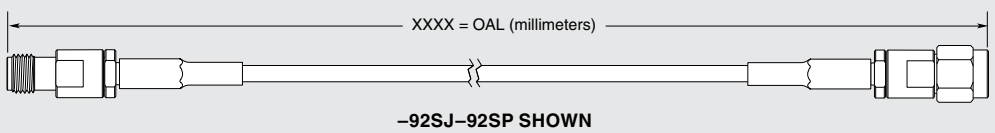


2.92 mm and 2.40 mm end options

APPLICATION

Copper foil shielding

CABLE TYPE	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
RF23C = MWC-2350CU-01 Microwave Cable with copper foil shield	Specify END OPTIONS from chart		—“XXXX” = Overall Length in millimeters -0152 (0152 mm) 5.984" minimum



OTHER SOLUTIONS

- Bulls Eye® Test Point available

See www.samtec.com?BE40C for complete specifications.

Notes:
 Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data
 Some lengths, styles and options are non-standard, non-returnable.

END OPTIONS*	
—92SJ = 2.92 mm Straight Jack —24SJ = 2.40 mm Straight Jack (30 μ" (0.76 μm) Gold on Center Contact, Stainless Steel on Shell)	
—92SP = 2.92 mm Straight Plug —24SP = 2.40 mm Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Stainless Steel on Shell)	

* 2.40 mm end option is needed for 50 GHz performance. Contact RFTechnicalGroup@samtec.com