

50Ω HIGH ISOLATION RF CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?IJ5C

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Pin Material:

Copper Alloy

Dielectric Material:

Black LCP

Plating:

Au over 50μ" (1.27 μm) Ni

Operating Temp Range:

-40°C to +90°C

RoHS Compliant:

Yes

Mates with:

IP5



- Edge Rate® Contacts
- Positive Latching

Single or Double Ended

High performance 26 AWG coax cable

Positive latching system

1, 2, 4, 6 or 8 Positions

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



Cable (-1):

Conductor Size:

26 AWG, (0.48 mm) .019" dia.

Conductor Material:

Silver Plated Copper

Insulator Diameter:

(1.27 mm) .050"

Insulator Material:

Foamed FEP

Shield Material:

Silver Plated Copper

Jacket Material:

FEP

Jacket Diameter:

(1.80 mm) .071"

Bend Radius:

3.175 mm

Impedance:

50Ω

Current Rating:

2.5A

RoHS Compliant:

Yes

Cable (-2):

Conductor Size:

26 AWG, (0.51 mm) .020" dia.

Conductor Material:

Silver and Copper

Plated Steel Wire

Insulator Diameter:

(1.52 mm) .060"

Insulator Material:

PTFE

Shield Material:

Silver Plated Copper Wire

Jacket Material:

FEP

Jacket Diameter:

(2.54 mm) .100"

Bend Radius:

12.7 mm

Impedance:

50Ω

Current Rating:

5A DC

RoHS Compliant:

Yes

Note: This Series is non-standard, non-returnable.

1 Meter Cable Assembly	Frequency
Insertion Loss = 3 dB	9.5 GHz / 19.0 Gbps
Return Loss = 15 dB	2.2 GHz / 4.4 Gbps
VSWR = 1.4	2.1 GHz / 4.2 Gbps
Isolation = 60 dB	3.1 GHz / 6.2 Gbps

Performance and complete test data available at www.samtec.com?IJ5C or contact sig@samtec.com

