



BE25S-01SP1-02-02-0305

BE25S SERIES

50 Ω MICROWAVE CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?BE25S

RF Connector:**Outer Contact Material:**

Brass (SMA), Gold (SMP)

Center Contact Material:

Brass (SMA Plug)

BeCu (SMA & SMP Jack)

Insulator Material:

PTFE

Operating Temperature:

-65 °C to +165 °C

Impedance:

50 Ω

Frequency Range:

0~20 GHz (SMA),

DC to 20 GHz (SMP)

V.S.W.R.:

1.3 max

RoHS Compliant:

Yes

MWC-2550-01**Cable:****Cable Type:**

Low Loss Microwave Coax

Gauge:

25 AWG Silver plated Copper

Dielectric:

Solid FEP

Jacket Material:

FEP

Bend Radius:

9 mm

Impedance:

50 Ω ± 1 Ω

Propagation Delay:

3.84 nsec/meter

Capacitance:

75.4 pF/meter

High performance 25 AWG
 rugged solid dielectric microwave cable

Bulls Eye®
 termination with
 SMA or SMP
 end option

APPLICATION

rugged
 solid FEP
 dielectric

**CABLE
TYPE****BE25S**

= Rugged solid FEP
 Dielectric 25 AWG,
 MWC-2550-01
 Microwave Cable

**END 2
OPTION**

Specify
 END 2
 OPTION
 from chart

**PHASE
MATCHING**

-02
 = 2.0 Pico-second

-05
 = 5.0 Pico-second

-10
 = 10.0 Pico-second

**NO. OF
CABLES**

-02
 = 2 phase matched
 cable assemblies

-04
 = 4 phase matched
 cable assemblies

-06
 = 6 phase matched
 cable assemblies

-08
 = 8 phase matched
 cable assemblies

**OVERALL
LENGTH**

Stocked lengths

-0152
 = (152.4 mm) 6.00"

-0305
 = (304.8 mm)
 12.00"

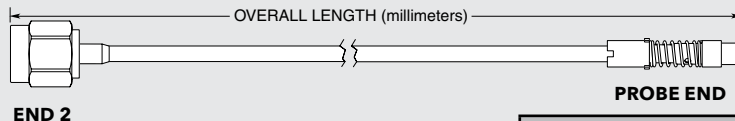
-0457
 = (457.2 mm)
 18.00"

-0914
 = (914.4 mm)
 36.00"

(Other lengths up to
 (9999 mm) 393.7"
 available)

**EXTRACTION
TOOLS**

- -SCC41: CAT-EX-SCC-01
- SMP: CAT-EX-SMP-01

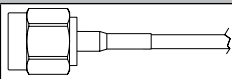


END 2

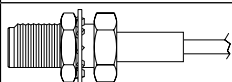
PROBE END

END 2 OPTIONS

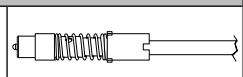
-01SP1 = SMA
 Straight Plug
 (30 μ" (0.76 μm) Gold on Center
 Contact, Gold Flash on Shell)



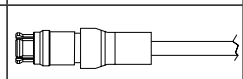
-01BJ1 = SMA
 Bulkhead Jack
 (30 μ" (0.76 μm) Gold on Center
 Contact, Gold Flash on Shell)

**END 2 OPTIONS**

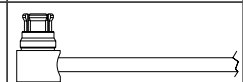
**-SCC41 = Bulls Eye®
 Test Point**
 (30 μ" (0.76 μm) Gold on Center
 Contact, Gold Flash on Shell)



-00SJ7 = SMP
 Straight Jack
 (10 μ" (0.25 μm) Gold on Center
 Contact, Gold Flash on Shell)



-00RJ7 = SMP
 Right-Angle Jack
 (10 μ" (0.25 μm) Gold on Center
 Contact, Gold Flash on Shell)

**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.