



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

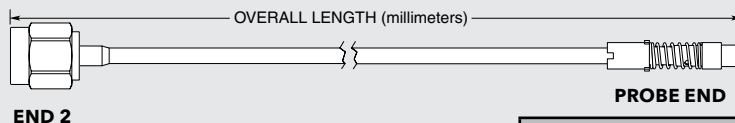
= (152.4 mm) 6.00"

-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

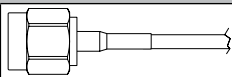


END 2

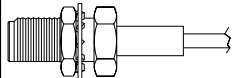
PROBE END

END 2 OPTIONS**-01SP1 = SMA**

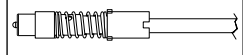
Straight Plug
 (30 μ" (0.76 μm) Gold on Center
 Contact, Gold Flash on Shell)

**-01BJ1 = SMA**

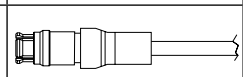
Bulkhead Jack
 (30 μ" (0.76 μm) Gold on Center
 Contact, Gold Flash on Shell)

**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.