



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

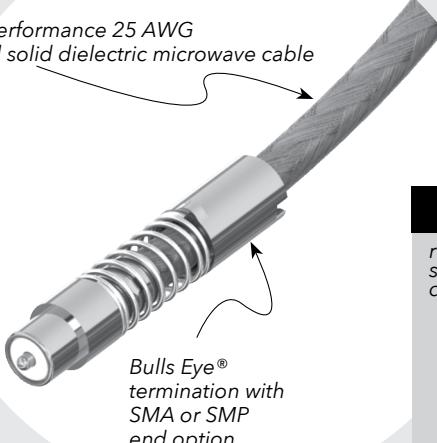
Propagation Delay:

3.84 nsec/meter

Capacitance:

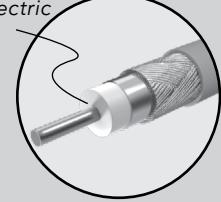
75.4 pF/meter

High-performance 25 AWG
rugged solid dielectric microwave cable

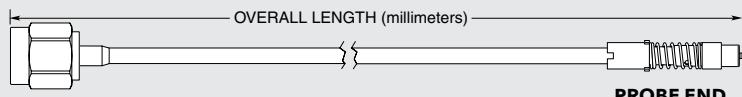


APPLICATION

rugged
solid FEP
dielectric



CABLE TYPE	END 2 OPTION	PHASE MATCHING	NO. OF CABLES	OVERALL LENGTH
		BE25S = Rugged solid FEP Dielectric 25 AWG, MWC-2550-01 Microwave Cable	Specify END 2 OPTION from chart	-02 = 2.0 Pico-second
				-05 = 5.0 Pico-second
				-10 = 10.0 Pico-second
			-02 = 2 phase matched cable assemblies	Stocked lengths -0152 = (152.4 mm) 6.00"
			-04 = 4 phase matched cable assemblies	-0305 = (304.8 mm) 12.00"
			-06 = 6 phase matched cable assemblies	-0457 = (457.2 mm) 18.00"
			-08 = 8 phase matched cable assemblies	-0914 = (914.4 mm) 36.00"
				(Other lengths up to (9999 mm) 393.7" available)



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 = Bullseye® 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.