

SMB5-J-P-H-RA-TH1

SMB5-P-C-H-ST-CA1

SMB5-P-C-H-RA-CA1

SMB5 SERIES

50Ω SMB JACKS & PLUGS

Mates with:

RF174, RF316, GRF1H-C

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SMB5-TH

Shell Material:

Brass

Contact Material:

Brass

Insulator Material: PTFE

Impedance: 50Ω

Frequency Range: 0~4 GHz

V.S.W.R: 1.5 max

Working Voltage:

250 Vrms max

Dielectric Withstanding:

750 Vrms min

Contact Resistance:

Center Contact: 6mΩ max

Outer Contact: 2.5mΩ max

Insulator Resistance:

1000 MΩ min

Operating Temp Range:

-65°C to +165°C

RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes

Note: 75Ω version available.
See SMB7H Series.

SMB5

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

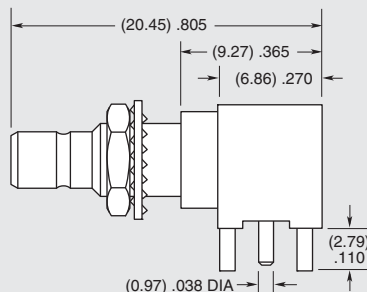
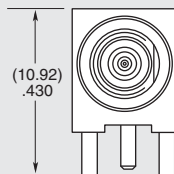
—J
= Jack

—P
= PCB
Mount

—H
= 30μ"
(0.76 μm)
Gold center
contact, 3μ"
(0.08 μm) Gold
outer contact

—RA
= Right Angle

—TH1
= Through-Hole



SPECIFICATIONS

For complete specifications and assembly instructions see www.samtec.com?SMB5-CA

Shell Material:

Brass

Contact Material:

Brass (—J),

Phosphor Bronze (—P—ST),

BeCu (—P—RA)

Center Contact:

Soldered

Outer Ferrule:

Crimped

Insulator Material:

PTFE

Impedance:

50Ω

Frequency Range:

0~4 GHz

V.S.W.R:

1.3 max (—ST),

1.5 max (—RA)

Working Voltage:

335 Vrms max

Dielectric Withstanding:

1000 Vrms min

Contact Resistance:

Center Contact: 6mΩ max

Outer Contact: 2.5mΩ max

Insulator Resistance:

1000 MΩ min

Operating Temp Range:

-65°C to +165°C

SMB5

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

—P
= Plug

—J
= Jack

—C
= Cable

—H
= 30μ"
(0.76 μm)
Gold center
contact, 3μ"
(0.08 μm) Gold
outer contact

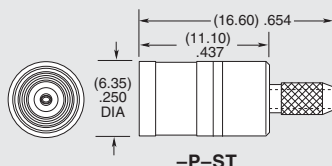
—ST
= Straight

—RA
= Right Angle
(—P only)

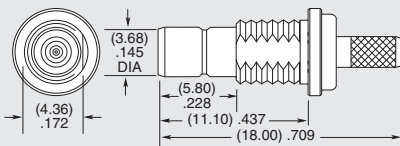
—CA1
= RG 174/316 Cable
(—P only)

—CA2
= RG 178 Cable
(—J only)

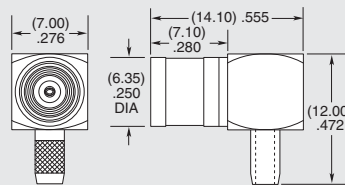
—BH1
= RG 316 Cable
(—J only)



—P—ST



—J—ST—BH1



—P—RA

Supplied with pins, washers, nuts and ferrules. See website for dimensions.