



SMB7H-P-C-H-RA-CA3



SMB7H-J-P-H-ST-TH1



SMB7H-J-P-H-ST-EM1



SMB7H-J-P-H-RA-TH1

SMB7H SERIES

75 Ω OPTIMIZED SMB JACKS & PLUGS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SMB7H-TH or www.samtec.com?SMB7H-EM

Shell Material:

Brass

Contact Material:

Brass

Insulator Material:

PTFE

Impedance:

ST = 75 Ω ±3 Ω

RA = 75 Ω ±4 Ω

Frequency Range:

0~4 GHz

Working Voltage:

335 Vrms max

Dielectric Withstanding:

1000 Vrms min

Operating Temperature:

-65 °C to +165 °C

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

SMB7H

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

Mates with:

RF179, GRF7H-C

-J

= Jack

-P

= PCB Mount

-H

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

-ST

= Straight

-RA

= Right-angle

-TH1

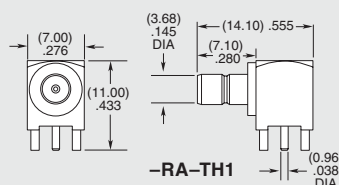
= Through-hole
(0.90 mm) .035" DIA
Signal Pin

-TH2

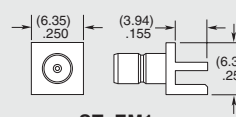
= Through-hole
(0.51 mm) .020" DIA
Signal Pin

-EM1

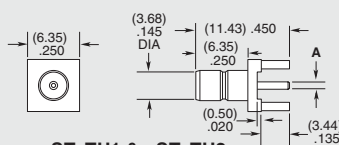
= Edge Mount
(-ST only)



-RA-TH1



-ST-EM1



-ST-TH1 & -ST-TH2

TERMINATION	A (DIA)
-TH1	(0.90) .035
-TH2	(0.51) .020

SPECIFICATIONS

For complete specifications and assembly instructions see www.samtec.com?SMB7H-CA

Shell Material:

Brass

Contact Material:

BeCu

Insulator Material:

PTFE

Center Contact:

Soldered

Outer Ferrule:

Crimped

Impedance:

75 Ω

Frequency Range:

0~8 GHz (-ST)

0~7 GHz (-RA)

Working Voltage:

335 Vrms max

Dielectric Withstanding:

1000 Vrms min

Operating Temperature:

-65 °C to +165 °C

SMB7H

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

-P

= Plug

-C

= Cable

-H

= 30 μ" (0.76 μm)
Gold center contact,
3 μ" (0.08 μm)
Gold outer contact
(-ST only)

-ST

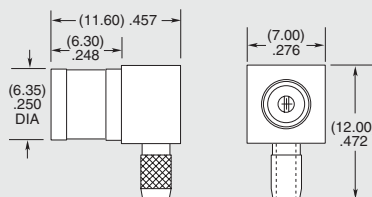
= Straight

-RA

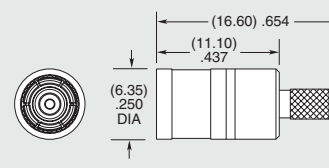
= Right-angle

-CA3

= RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

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