



SMB7H SERIES

75Ω 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 = 75Ω ±3Ω
RA = 75Ω ±4Ω
- Frequency Range:** 0~4 GHz
- V.S.W.R:** 1.3 max
(With optimized launch design)
- Working Voltage:** 335 Vrms max
- Dielectric Withstanding:** 1000 Vrms min
- Contact Resistance:** Center Contact: 6mΩ max
Outer Contact: 1mΩ max
- Insulator Resistance:** 1000 MΩ min
- Operating Temperature:** -65°C to +125°C
- RoHS Compliant:** Yes
- Processing:** Lead-Free Solderable: Yes

SMB7H — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION

Mates with:
RF179, GRF7H-C

-J
= Jack

-P
= PCB Mount

-H
= 30μ" (0,76 μm)
Gold center contact,
3μ" (0,08 μm)
Gold outer contact

-HN
= 30μ" (0,76 μm)
Gold center contact,
3μ" (0,08 μm)
Gold outer contact,
50μ" (1,27 μm)
Nickel body
(Available on
-RA only)

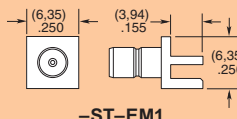
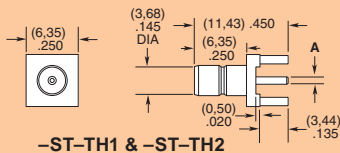
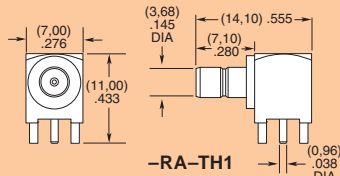
-ST
= Straight

-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)



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:** 75Ω
- Frequency Range:** 0~8 GHz (-ST)
0~7 GHz (-RA)
- V.S.W.R:** 1.3 max
- Working Voltage:** 335 Vrms max
- Dielectric Withstanding:** 1000 Vrms min
- Contact Resistance:** Center Contact: 6mΩ max
Outer Contact: 1mΩ max
- Insulator Resistance:** 1,000 MΩ min
- Operating Temperature:** -65°C to +125°C

SMB7H — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION

-P
= Plug

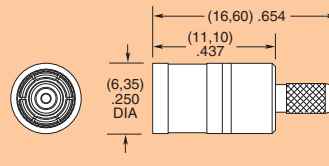
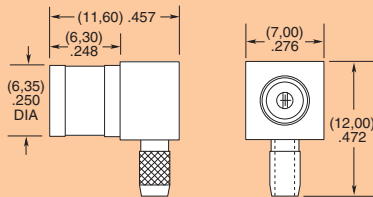
-C
= Cable

-H
= 30μ" (0,76 μm)
Gold center contact,
3μ" (0,08 μm)
Gold outer contact

-ST
= Straight

-RA
= Right Angle

-CA3
= RG 179 Cable



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