



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)						
					<table border="1"> <thead> <tr> <th>TERMINATION</th> <th>A (DIA)</th> </tr> </thead> <tbody> <tr> <td>-TH1</td> <td>(0,90) .035</td> </tr> <tr> <td>-TH2</td> <td>(0,51) .020</td> </tr> </tbody> </table>	TERMINATION	A (DIA)	-TH1	(0,90) .035	-TH2	(0,51) .020
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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.

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