



SMB5 SERIES

50 Ω 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: 50 Ω
- Frequency Range: 0~4 GHz
- Working Voltage: 250 Vrms max
- Dielectric Withstanding: 750 Vrms min
- Operating Temp Range: -65 °C to +165 °C
- RoHS Compliant: Yes

PROCESSING

Lead-Free Solderable: Yes

Note: 75 Ω version available. See SMB7H Series.

SMB5	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-J = Jack	-P = PCB Mount	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (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: 50 Ω
- Frequency Range: 0~4 GHz
- Working Voltage: 335 Vrms max
- Dielectric Withstanding: 1000 Vrms min
- Operating Temp Range: -65 °C to +165 °C

SMB5	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-P = Plug -J = Jack	-C = Cable	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (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)

Supplied with pins, washers, nuts 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.