



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)

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