

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 +165°C
RoHS Compliant: Yes
Processing:
 Lead-Free Solderable: Yes

Note:
 Designed to meet SMPTE 424M 3G-SDI specifications.

SMB7H

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

Mates with:
 RF179, GRF7H-C

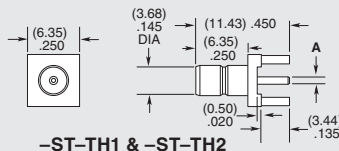
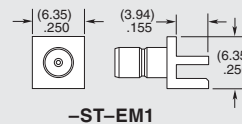
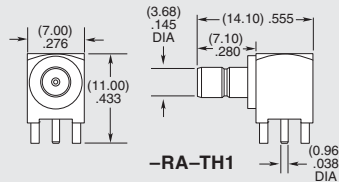
-J
 = Jack

-P
 = PCB Mount

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

-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 +165°C

Note:
 Designed to meet SMPTE 424M 3G-SDI specifications.

SMB7H

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

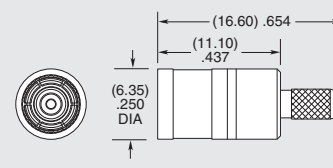
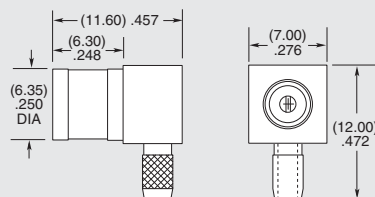
-P
 = Plug

-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



-P-RA

-P-ST

Supplied with pins and ferrules. See website for dimensions.