



SMB7H-J-P-H-ST-TH1

SMB7H-J-P-HN-RA-TH1



SMB7H-J-P-H-ST-EM1

75Ω SMB JACKS SMB7H SERIES

SPECIFICATIONS

For complete specifications and recommended Cable Stripping see www.samtec.com?SMB7H

Shell Material:

Brass

Contact Material:

Brass

Insulator Material:

PTFE

Impedance:

ST = $75\Omega \pm 3\Omega$

RA = $75\Omega \pm 4\Omega$

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: $6m\Omega$ max

Outer Contact: $1m\Omega$ max

Insulator Resistance:

1000 M Ω min

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

Mates with:
RF179



Precision impedance tolerances for 3 Gbps applications

Choice of plating

Through-hole, right angle and edge mount

SMB7H

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

—J
= Jack

—P
= PCB Mount

—H
= 30μ " (0.76 μ m)
Gold center contact,
 3μ " (0.08 μ m)
Gold outer contact

—HN
= 30μ " (0.76 μ m)
Gold center contact,
 3μ " (0.08 μ m)
Gold outer contact,
 50μ " (1.27 μ m)
Nickel body
(Available on RA only)

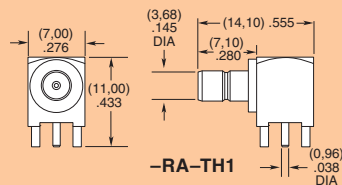
—ST
= Straight

—RA
= Right Angle

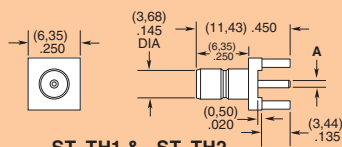
—TH1
= Through-hole
(0.90mm .035" DIA
Signal Pin)

—TH2
= Through-hole
(0.51mm .021" DIA
Signal Pin)

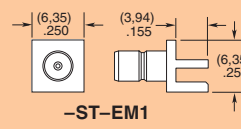
—EM1
= Edge Mount
(—ST only)



—RA-TH1



—ST-TH1 & —ST-TH2



—ST-EM1

TERMINATION	A (DIA)
—TH1	(0.90) .035
—TH2	(0.51) .021

Due to technical progress, all designs, specifications and components are subject to change without notice.

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