

## SMB7H SERIES

# 75 Ω OPTIMIZED SMB JACKS & PLUGS

## SPECIFICATIONS

**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  
**Working Voltage:**  
 335 Vrms max  
**Dielectric Withstanding:**  
 1000 Vrms min  
**Operating Temperature:**  
 -65 °C to +165 °C  
**RoHS Compliant:**  
 Yes  
**Lead-Free Solderable:**  
 Yes

## SMB7H

## GENDER

## TYPE

## PLATING

## ORIENTATION

## TERMINATION

**Mates with:**  
 RF179, GRF7H-C

**-J**  
 = Jack

**-P**  
 = PCB Mount

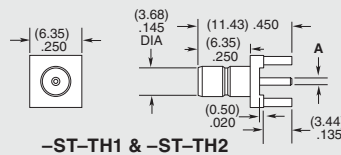
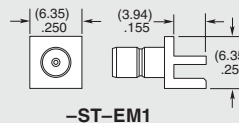
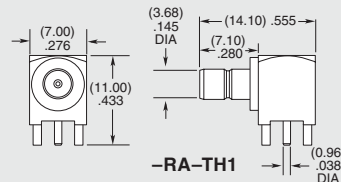
**-H**  
 =  $30 \mu\text{m}$  (0.76  $\mu\text{m}$ )  
 Gold center contact,  
 3  $\mu\text{m}$  (0.08  $\mu\text{m}$ )  
 Gold outer contact

**-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

**Shell Material:** Brass  
**Contact Material:** BeCu  
**Insulator Material:** PTFE  
**Center Contact:** Soldered  
**Outer Ferrule:** Crimped  
**Impedance:** 75  $\Omega$   
**Frequency Range:**  
 0~8 GHz (-ST)  
 0~7 GHz (-RA)  
**Working Voltage:**  
 335 Vrms max  
**Dielectric Withstanding:**  
 1000 Vrms min  
**Operating Temperature:**  
 -65 °C to +165 °C

## SMB7H

## GENDER

## TYPE

## PLATING

## ORIENTATION

## TERMINATION

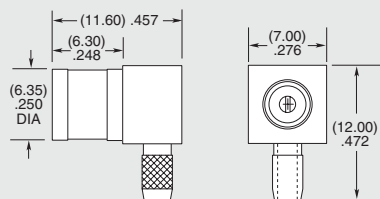
**-P**  
 = Plug

**-C**  
 = Cable

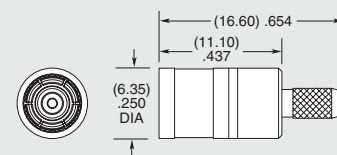
**-H**  
 =  $30 \mu\text{m}$  (0.76  $\mu\text{m}$ )  
 Gold center contact,  
 3  $\mu\text{m}$  (0.08  $\mu\text{m}$ )  
 Gold outer contact  
 (-ST only)

**-ST**  
 = Straight  
**-RA**  
 = Right-angle

**-CA3**  
 = RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.