





BNC7T SERIES

75 Ω OPTIMIZED BNC JACKS & PLUGS

Mates with: RF179, RFA6T, RFB6T

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?BNC7T-TH, www.samtec.com?BNC7T-BH or www.samtec.com?BNC7T-FM

Shell Material:

Ni plated Brass (-TH1, -BH1, -EM1, -EM2) Zinc (-TH2D, -BH2D, -EM1D, -EM2D)

Contact Material: Copper Alloy Insulator Material: PTFE Impedance:

 $ST = 75\Omega \pm 2\Omega$

RA = 75Ω ±4Ω Frequency Range: 0~6 GHz * V.S.W.R: 1.45 max

Working Voltage: 500 Vrms Dielectric Withstanding: 1500 Vrms min

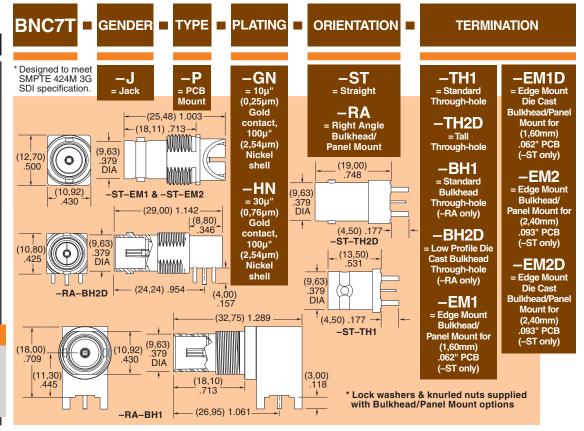
Contact Resistance: Center Contact: 1,5mΩ max Outer Contact: 0,4mΩ max Operating Temperature:

RoHS Compliant: Yes Lead-Free Solderable: Yes

ALSO AVAILABLE

Tool for quickly installing/ uninstalling knurl nut for **BNC7T Series**

Part Number: TOOL-BNC7T-01



SPECIFICATIONS

For complete specifications and assembly instructions see www.samtec.com?BNC7T-CA or www.samtec.com?BNC7T-BH

Shell Material: Brass Contact Material:
Brass (-P), Copper Alloy (-J)
Center Contact: Soldered Outer Ferrule: Crimped Impedance: 75\Omega Frequency Range: 0~4 GHz (-P)*, 0~3.5 GHz (-J)* V.S.W.R: 1.3 max Working Voltage: 500 Vrms Dielectric Withstanding:

1500 Vrms min Contact Resistance: Center Contact: $3m\Omega$ max Outer Contact: $2m\Omega$ max Insulator Resistance: $5.000 \, M\Omega \, min$ **Operating Temperature:**

-65°C to +125°C

BNC7T **GENDER** TYPE **PLATING** ORIENTATION **TERMINATION** Designed to meet SMPTE 424M 3G **-P** = Plug -CA3 -ST -CA6 SDI specification. -GN Cable = Straight RG 179 Cable = RG 6 or = 10µ" (0,25µm) (-P only) Belden **– J** = Jack Gold on contact 1694A Cable -RA<u>-C</u>A3D Nickel on outer = Right Angle (-P only) (-P only) contact and shell = RG 179 Cable -CA6D **Die Cast** (21,70) .854 (29.80) 1.173 (-P-ST only) = RG 6 or (15.20) .598 (18,70) .736 Belden –BH3 1694A Cable (14.50)(17.50)Die Cast 689 = Bulkhead, P-ST only) RG 179 Cable (-J only) L(9,65) .380 -P-ST SHOWN -J-ST SHOWN Supplied with pins, ferrules, washers, nuts and gaskets. See website for dimensions.

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

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