





BNC7T SERIES

75 Ω OPTIMIZED BNC JACKS & PLUGS

Mates with: RF179, RFA6T RFB6T, GRF7H-C

SPECIFICATIONS

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

Shell Material:

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

Contact Material: Copper Alloy Insulator Material: PTFE

Impedance: ST = $75\Omega \pm 2\Omega$ $RA = 75\Omega \pm 4\Omega$

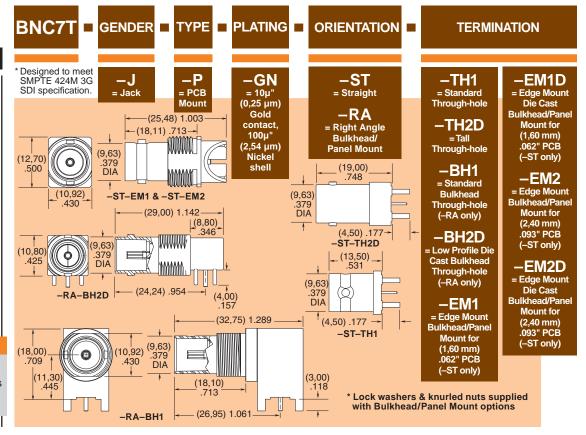
Frequency Range: 0~6 GHz * V.S.W.R: 1.45 max

Working Voltage: 500 Vrms Dielectric Withstanding: 1500 Vrms min

Contact Resistance: Center Contact: $1,5m\Omega$ max Outer Contact: $0,4m\Omega$ max

Operating Temperature: -65°C to +125°C RoHS Compliant: Yes Lead-Free Solderable: Yes

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

Shell Material:

Brass Contact Material:

Brass (–P), Copper Alloy (–J)
Center Contact: Soldered
Outer Ferrule: Crimped

Impedance:

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: $5.000~\mathrm{M}\Omega~\mathrm{min}$

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" (0,25 µm) (-P only) Belden — **J** = Jack Gold on contact, 1694A Cable -RANickel on outer = Right Angle (-P only) -CA3D (-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, (13,80) .543 P-ST only) RG 179 Cable (-J only) -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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