



BNC7T SERIES

75Ω 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-EM

Shell Material:
Ni plated Brass (-TH1, -BH1, -EM1, -EM2)
Zinc (-TH2D, -BH2D, -EM1D, -EM2D)
Contact Material: Copper Alloy
Insulator Material: PTFE
Impedance:
ST = 75Ω ±2Ω
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: -65°C to +125°C
RoHS Compliant: Yes
Lead-Free Solderable: Yes

ALSO AVAILABLE

Tool for quickly installing/uninstalling knurl nut for BNC7T Series
Part Number:
TOOL-BNC7T-01

BNC7T	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	
	-J = Jack	-P = PCB Mount	-GN = 10µ" (0,25µm) Gold contact, 100µ" (2,54µm) Nickel shell	-ST = Straight -RA = Right Angle Bulkhead/ Panel Mount	-TH1 = Standard Through-hole -TH2D = Tall Through-hole -BH1 = Standard Bulkhead Through-hole (-RA only) -BH2D = Low Profile Die Cast Bulkhead Through-hole (-RA only) -EM1 = Edge Mount Bulkhead/ Panel Mount for (1,60mm) .062" PCB (-ST only)	-EM1D = Edge Mount Die Cast Bulkhead/ Panel Mount for (1,60mm) .062" PCB (-ST only) -EM2 = Edge Mount Bulkhead/ Panel Mount for (2,40mm) .093" PCB (-ST only) -EM2D = Edge Mount Die Cast Bulkhead/ Panel Mount for (2,40mm) .093" PCB (-ST only)

* Designed to meet SMPTE 424M 3G SDI specification.

* Lock washers & knurled nuts supplied with Bulkhead/Panel Mount options

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: 75Ω
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: 3mΩ max
Outer Contact: 2mΩ max
Insulator Resistance: 5,000 MΩ min
Operating Temperature: -65°C to +125°C

BNC7T	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	
	-J = Jack	-P = Plug -C = Cable	-GN = 10µ" (0,25µm) Gold on contact, Nickel on outer contact and shell	-ST = Straight -RA = Right Angle (-P only)	-CA3 = RG 179 Cable (-P only) -CA3D = RG 179 Cable Die Cast (-P-ST only) -BH3 = Bulkhead, RG 179 Cable (-J only)	-CA6 = RG 6 or Belden 1694A Cable (-P only) -CA6D = RG 6 or Belden 1694A Cable Die Cast (-P-ST only)

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.