



# 75 Ω DIE CAST BNC JACKS & PLUGS

Mates with:  
RF179, RFA6T,  
RFB6T, GRF7H-C

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?BNC7T-TH](http://www.samtec.com?BNC7T-TH), [www.samtec.com?BNC7T-BH](http://www.samtec.com?BNC7T-BH), [www.samtec.com?BNC7T-BM](http://www.samtec.com?BNC7T-BM) or [www.samtec.com?BNC7T-EM](http://www.samtec.com?BNC7T-EM)

**Shell Material:** Zinc  
**Contact Material:** Copper Alloy  
**Insulator Material:** PTFE  
**Impedance:**  
ST = 75 Ω ±2 Ω  
RA = 75 Ω ±4 Ω  
**Frequency Range:** 0-12 GHz  
**Working Voltage:** 500 Vrms  
**Dielectric Withstanding:** 1500 Vrms min  
**Operating Temperature:** -65 °C to +125 °C  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Yes

## TOOL

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

**Notes:**  
12G-SDI available for PCB mounts only.

Contact [RFTechnicalGroup@samtec.com](mailto:RFTechnicalGroup@samtec.com) for 12G-SDI PCB mount launch characteristics.

Designed to meet SMPTE 2082 12G-SDI specifications.

BNC7T	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-J = Jack	-P = PCB Mount	-GN = 10 μ" (0.25 μm) Gold contact, 100 μ" (2.54 μm) Nickel shell	-ST = Straight  -RA = Right-angle Bulkhead/ Panel Mount	-TH2D = Tall Through-hole Die Cast  -BH2D* = Die Cast Bulkhead Through-hole (-RA only)  -BM1D* = Low Profile Mixed Technology Die Cast Bulkhead for (1.60 mm) .062" PCB (-RA only)  -EM1D* = Edge Mount Die Cast Bulkhead/Panel Mount for (1.60 mm) .062" PCB (-ST only)  -EM2D* = Edge Mount Die Cast Bulkhead/Panel Mount for (2.40 mm) .093" PCB (-ST only)

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

## SPECIFICATIONS

For complete specifications and assembly instructions see [www.samtec.com?BNC7T-CA](http://www.samtec.com?BNC7T-CA)

**Shell Material:** Zinc  
**Contact Material:** Brass  
**Center Contact:** Soldered  
**Outer Ferrule:** Crimped  
**Impedance:** 75 Ω  
**Working Voltage:** 500 Vrms  
**Dielectric Withstanding:** 1500 Vrms min  
**Operating Temperature:** -65 °C to +125 °C

BNC7T	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-P = Plug	-C = Cable	-GN = 10 μ" (0.25 μm) Gold contact, 100 μ" (2.54 μm) Nickel shell	-ST = Straight	-CA3D = RG 179 Cable Die Cast  -CA6D = RG 6 or Belden 1694A Cable Die Cast

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.