

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, www.samtec.com?BNC7T-BH, www.samtec.com?BNC7T-BM or www.samtec.com?BNC7T-EM

Shell Material:

Zinc

Contact Material:

Copper Alloy

Insulator Material:

Contact Samtec

Impedance:

ST = 75 Ω ±2 W

RA = 75 Ω ±4 W

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 nut for BNC7T Series

Part Number:
TOOL-BNC7T-01

Notes:

12G-SDI available for PCB mounts only.

Contact 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

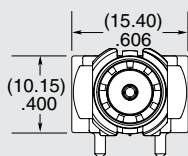
-BH2D*
= Low Profile
Die Cast Bulkhead
Through-hole
(-RA only)

-BM1D*
= Low Profile
Die Cast Bulkhead
Mixed Technology for
(1.60 mm) .062" PCB
(-RA only)

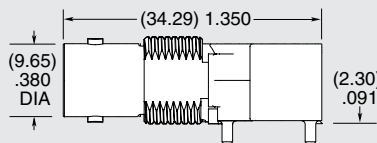
-EM1D*
= Edge Mount Die Cast
Bulkhead/Panel Mount for
(1.60 mm) .062" PCB
(-ST only)

-EM2D*
= Edge Mount Die Cast
Bulkhead/Panel Mount for
(2.40 mm) .093" PCB
(-ST only)

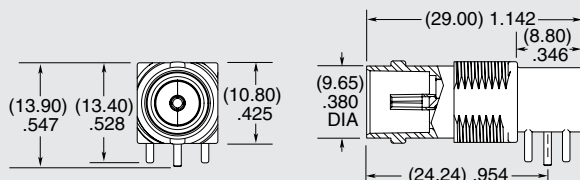
* Lock washers & nuts supplied with Bulkhead/Panel Mount options



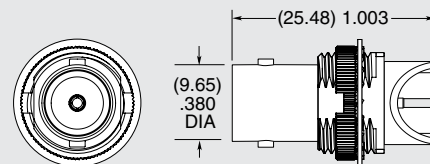
-RA-BM1D



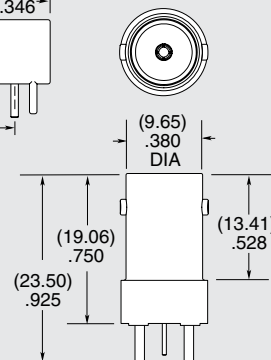
-RA-BH2D



-RA-TH2D



-ST-EM1D & -ST-EM2D



-ST-TH2D

SPECIFICATIONS

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

Shell Material:

Brass

Coupling Nut 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

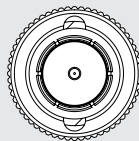
-C
= Cable

-GN
= 10 μ" (0.25 μm)
Gold contact,
100 μ" (2.54 μm)
Nickel shell

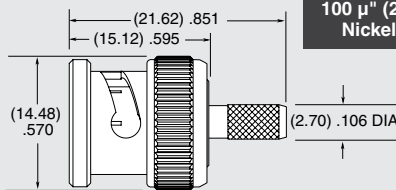
-ST
= Straight

-CA3D
= RG 179 Cable
Die Cast

-CA6D
= RG 6 or Belden
1694A Cable
Die Cast



-CA3D SHOWN



-CA6D 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.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.