



**Part Number: 1794ABHD1**  
**6 GHz Series 7 BNC Connector**

**Product Description**

Series 7, 6 GHz, HD, BNC, 1 piece connector

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor
Suitable Applications:	HD-SDI, Video, Digital Video, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080P

**Physical Characteristics (Overall)**

Conductor Size:	16 AWG
Packaging:	50 per package
Number of Pieces:	1

**Connectors**

**Materials**

Description	Material
Nut	Brass, Nickel Plated
Body	Brass, Nickel Plated
Contact	Brass, Gold Plated
Insulator	PTFE

**Electrical Characteristics**

**Impedance**

Nominal Characteristic Impedance
75

**Return Loss (RL)**

Frequency [MHz]	Minimum Return (RL)
5-1485	15 dB
1485-3000	10 dB
3000-6000	7 dB

Electrical Characteristics Notes:	SMPTE 2081-1 Return Loss or better
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**Mechanical Characteristics**

Footprint/Type:	Coax
Connector Interface Type:	BNC
Gender:	Male - plug
Connector Series Name:	HD
Color Band:	White
Locking:	No
Tool Compatibility:	CPLCRBC1794 (Compression), PS-11 (Strip)
Termination Type:	Compression

Cable Center Conductor Diameter Limits:	0.0460 - 0.0519 in
Cable Dielectric Diameter Limits:	0.2283 - 0.2362 in
Cable Outer Jacket Diameter Limits:	0.3110 - 0.3267 in

## Standards

RG Type:	Series 7
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Footnote
1794ABHD1	White	Q

Footnote:	Q - STANDARD PACKAGES CANNOT BE BROKEN.
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