



Part Number: 179DTBHD1

6 GHz Ultra-miniature BNC Connector

Product Description

Ultra-miniature, 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:	28.5 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:	Yellow
Locking:	No
Tool Compatibility:	CPLCRBC-BR (compression), PS59/6/RGB (strip)
Termination Type:	Compression

Cable Center Conductor Diameter Limits:	0.0129 - 0.0224 in
Cable Dielectric Diameter Limits:	0.0531 - 0.0629 in
Cable Outer Jacket Diameter Limits:	0.0984 - 0.1259 in

Standards

RG Type:	Ultra-miniature
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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
179DTBHD1	Yellow	Q

Footnote:	Q - STANDARD PACKAGES CANNOT BE BROKEN.
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