Product: 4855RBUHD1 B50

12 GHz Mini RG59 BNC Connector

Product Description

Mini RG-59, 12 GHz, UHD, BNC, 1 piece connector

Technical Specifications

Product Overview

Suitable Applications:	HD-SDI, UHD-SDI, Video, Digital Video, SMPTE 2082-1 12 Gb/s UHDTV, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080P

Physical Characteristics (Overall)

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 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-1485	15 dB
1485-3000	10 dB
3000-6000	7 dB
6000-12000	4 dB

Electrical Characteristics Notes:	SMPTE 2082-1 Return Loss or better

Mechanical Characteristics

Footprint/Type:	Coax
Connector Interface Type:	BNC
Gender:	Male - plug
Connector Series Name:	UHD
Color Band:	Violet
Locking:	No
Tool Compatibility:	CPLCRBC-BR (compression), PS59/6/RGB (strip)
Termination Type:	Compression
Cable Center Conductor Diameter Limits:	0.0208 - 0.0263 in

Cable Dielectric Diameter Limits:	0.0964 - 0.1019 in
Cable Outer Jacket Diameter Limits:	0.1574 - 0.1692 in

Standards

RG Type:	Mini 59

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC
4855RBUHD1 B50	Violet	845671005516

History

Update and Revision:	Revision Number: 0.27 Revision Date: 03-16-2021

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