

3-PORT MULTIMEDIA BROADBAND COAX OUTLETS

3-PORT COAX OUTLETS | Various configurations



COAX NETWORKS

DATASHEET

INTRODUCTION

The 3-port multimedia coax are very different from each other.

Whereas some have a galvanic isolation protection against hum modulation and leakage currents in the inner conductors (btv-X-HQ at all ports), they all have a very high isolation between TV and DATA port to avoid influences of TV-IF..



All of our 3-port multimedia coax outlets have a high screening attenuation according EN 50083-2 Class A up to Class A +10 dB.

PRODUCTS

- 3 **SELECTIVE MULTIMEDIA OUTLET
WITH 5 – 65 MHz REVERSE PATH**
 “btv-0465e-DATA”

- 4 **MULTIMEDIA OUTLET
WITH 5 – 65 MHz REVERSE PATH**
 “btv-xxxx-DATA-xx series”

- 6 **MULTIMEDIA BROADBAND OUTLETS
WITH 5 – 65 MHz RETURN PATH
AND
FREQUENCY RANGE UP TO 2000 MHz**
 “btv-3xx-x-HQ series”

- 9 **MULTIMEDIA LOOP-THROUGH WALL OUTLETS
WITH 5 – 65 MHz REVERSE PATH
AND BLOCK FILTER 5 – 65 MHz
IN THE THROUGH WAY**
 “btv-MMD-1x-HPF series”

- 10 **ACCESSORIES/SETS**
 “SAD-155”
 “SAD-165”
 “SAD-303”

SELECTIVE MULTIMEDIA OUTLET WITH 5 – 65 MHz REVERSE PATH

PRODUCT OVERVIEW

“btv-0465e-DATA”

Parameter	Frequency [MHz]	btv-0465e-DATA
Tap loss [dB]	DATA	5 – 862
		862 – 1000
	TV	5 – 65
		87.5 – 108
		109 ¹⁾ – 125
		125 – 1000
	RF	5 – 65
		87.5 – 108
		109 – 125
		125 – 1000
Isolation [dB]	DATA - TV	5 – 65
		65 – 300
		300 – 1000
	DATA - RF	5 – 65
		65 – 300
		300 – 1000
	TV - RF	87.5 – 108
		111 – 125
		125 – 300
		300 – 1000
Return loss	DATA	
	TV	
	RF	
Item No.		53039

ADDITIONAL INFORMATION

- Special DATA-port (F-female) for the separate connection of a cable modem
- Selective separation of TV and radio frequency ranges by high rejection filters on TV- and RF-port
- Transmission of channels S2 and S3!
- Cover plate SAD-155, (Item No. 53080) (please see last page)
- Surface-mount frame SAD-165, 80 x 80 x 33 mm, white colored RAL 9010, for multimedia outlets (Item No. 53094) (please see last page)



MULTIMEDIA OUTLET WITH 5 – 65 MHz REVERSE PATH

PRODUCT OVERVIEW

“btv-xxxx-DATA-xx series”

Terminated

Loop-through outlets

Parameter		Frequency [MHz]	btv-0665- DATA	btv-1165- DATA-IM	btv-1265- DATA-IM	btv-1465- DATA	btv-1565- DATA-IM	btv-1765- DATA-IM	btv-1965- DATA-IM
Tap loss [dB]	IN - OUT	5 - 65	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
		87.5 - 108	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
		109 - 1006	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
	TV	5 - 65	60 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.
		87.5 - 108	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		109 - 1006	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
	Radio	5 - 65	60 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.	60.0 typ.
		87.5 - 108	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		109 - 1006	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
	DATA	5 - 65	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		87.5 - 108	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		109 - 1006	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
Through loss [dB]	IN - OUT	5 - 65	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
		84 - 470	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
		470 - 1006	-	3.8 ± 0.8	2.5 ± 0.8	1.8 ± 0.8	2.0 ± 0.8	1.5 ± 0.8	1.0 ± 0.8
	IN - DATA	5 - 65	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		84 - 470	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		470 - 1006	6.5 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
	IN - TV	5 - 65	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.
		84 - 470	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
		470 - 1006	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
	IN - Radio	5 - 65	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.
		84 - 470	6.0 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.0 ± 1.0	15.5 ± 1.0	17.0 ± 1.0	19.0 ± 1.0
	Isolation [dB]	DATA - TV	5 - 65	> 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
84 - 300			≥ 30	≥ 36	≥ 42	≥ 42	≥ 42	≥ 42	≥ 42
300 - 862			≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36
862 - 1006			≥ 30	≥ 26	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
DATA - Radio		5 - 65	> 30	≥ 36	≥ 42	≥ 42	≥ 42	≥ 42	≥ 42
		84 - 862	> 30	≥ 36	≥ 42	≥ 42	≥ 42	≥ 42	≥ 42
		300 - 862	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36
		862 - 1006	> 30	≥ 26	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
TV - Radio		87.5 - 1006	> 25	≥ 25	≥ 25	≥ 25	≥ 20	≥ 20	≥ 20
		OUT - DATA	5 - 65	-	≥ 35	≥ 30	≥ 35	≥ 40	≥ 40
84 - 300			-	≥ 30	≥ 30	≥ 30	≥ 32	≥ 32	≥ 32
300 - 862			-	≥ 26	≥ 30	≥ 30	≥ 26	≥ 30	≥ 30
862 - 1006			-	≥ 26	≥ 26	≥ 26	≥ 26	≥ 26	≥ 26
OUT - TV		5 - 65	-	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
		84 - 862	-	≥ 30	≥ 30	≥ 30	≥ 32	≥ 32	≥ 32
		862 - 1006	-	≥ 25	≥ 30	≥ 30	≥ 32	≥ 32	≥ 32
OUT - Radio		5 - 65	-	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
		84 - 862	-	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
		862 - 1006	-	≥ 25	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30
Return loss [dB]	IN, OUT	5 - 10	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	DATA	10 - 1006	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾
		5 - 1006	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾	> 18 ¹⁾
	TV	84 - 1006	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾
	Radio	84 - 1006	> 10.0	> 10	> 10	> 10	> 14.0 ²⁾	> 14.0 ²⁾	> 14.0 ²⁾
Item No.		53040	53041	53042	53043	53044	53045	53046	

¹⁾ = 40 MHz -1.5 dB/Oct.

²⁾ = 109 MHz -1.5 dB/Oct.

PRODUCT OVERVIEW**“btv-xxxx-DATA serie”****ADDITIONAL INFORMATION**

- Special DATA-port (F-female) for the separate connection of a cable modem
- TV- and RF-ports designed as broadband ports with equal through loss on TV and RF
- Very high isolation between TV and DATA to avoid influences of TV-IF frequency by ingress of reverse signals
- Cover plate SAD-155, (Item No. 53080) (please see last page)
- Surface-mount frame SAD-165, 80 x 80 x 33 mm, white colored RAL 9010, for multimedia outlets (Item No. 53094) (please see last page)



MULTIMEDIA BROADBAND OUTLETS WITH 5 – 65 MHz RETURN PATH AND FREQUENCY RANGE UP TO 2000 MHz

PRODUCT OVERVIEW

“btv-3xx-x-HQ series”

		Terminated		Loop-through outlets				
Parameter	Frequency [MHz]	btv-306-s-HQ	btv-308-e-HQ	btv-311-d-HQ	btv-313-d-HQ	btv-315-d-HQ	btv-317-d-HQ	btv-320-d-HQ
Tap loss [dB]	IN – 5 – 65	–	–	3.5 ± 0.5	2.8 ± 0.5	2.1 ± 0.5	1.5 ± 0.5	1.5 ± 0.5
	OUT 87.5 – 1218	–	–	3.7 ± 0.8	2.8 ± 1.0	2.1 ± 1.0	1.7 ± 1.0	1.7 ± 1.0
	1218 – 1700	–	–	4.5 ± 1.0	3.7 ± 1.0	3.1 ± 1.0	2.5 ± 1.0	2.5 ± 1.0
	1700 – 2000	–	–	4.5 ± 1.5	3.7 ± 1.5	3.1 ± 1.5	2.7 ± 1.5	2.7 ± 1.5
	TV 87.5 – 1218	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	7.0 ± 1.5	9.0 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.5 ± 1.5	17.5 ± 1.5	20.5 ± 1.5
	1700 – 2000	7.5 ± 2.0	9.0 ± 2.0	12.0 ± 2.0	14.0 ± 2.0	16.5 ± 2.0	18.5 ± 2.0	21.0 ± 2.0
	Radio 87.5 – 1218	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	7.0 ± 1.5	9.0 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.5 ± 1.5	17.5 ± 1.5	20.5 ± 1.5
	1700 – 2000	7.5 ± 2.0	9.0 ± 2.0	12.0 ± 2.0	14.0 ± 2.0	16.5 ± 2.0	18.5 ± 2.0	21.0 ± 2.0
	DATA 5 – 65	6.5 ± 1.0	8.5 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	87.5 – 1218	6.5 ± 1.0	8.5 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	6.5 ± 1.5	8.5 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.0 ± 1.5	17.0 ± 1.5	20.0 ± 1.5
	1700 – 2000	6.5 ± 2.0	8.5 ± 2.0	11.5 ± 2.0	14.0 ± 2.0	15.0 ± 2.0	17.0 ± 2.0	20.0 ± 2.0
Through loss [dB]	IN – 5 – 470	–	–	3.5 ± 0.5	2.8 ± 0.5	2.1 ± 0.5	1.5 ± 0.5	1.5 ± 0.5
	OUT 470 – 862	–	–	3.5 ± 0.5	2.8 ± 0.5	2.1 ± 0.5	1.5 ± 0.5	1.5 ± 0.5
	862 – 1006	–	–	3.5 ± 0.5	2.8 ± 0.8	2.1 ± 0.8	1.5 ± 0.8	1.5 ± 0.8
	1006 – 1218	–	–	3.5 ± 0.8	2.8 ± 1.0	2.1 ± 1.0	1.5 ± 1.0	1.5 ± 1.0
	1218 – 1700	–	–	4.5 ± 1.0	3.7 ± 1.0	3.1 ± 1.0	2.5 ± 1.0	2.5 ± 1.0
	1700 – 2000	–	–	4.5 ± 1.5	3.7 ± 1.5	3.1 ± 1.5	2.5 ± 1.5	2.5 ± 1.5
	IN – DATA 5 – 1218	6.5 ± 1.0	8.5 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	6.5 ± 1.5	8.5 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.0 ± 1.5	17.0 ± 1.5	20.0 ± 1.5
	1700 – 2000	6.5 ± 2.0	8.5 ± 2.0	11.5 ± 2.0	14.0 ± 2.0	15.0 ± 2.0	17.0 ± 2.0	20.0 ± 2.0
	IN – TV 5 – 65	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	65 typ.	65 typ.
	87.5 – 470	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	470 – 862	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	862 – 1006	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1006 – 1218	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	7.0 ± 1.5	9.0 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.5 ± 1.5	17.5 ± 1.5	20.5 ± 1.5
	1700 – 2000	7.5 ± 2.0	9.0 ± 2.0	12.0 ± 2.0	14.0 ± 2.0	16.5 ± 2.0	18.5 ± 2.0	21.0 ± 2.0
	IN – Radio 5 – 65	60 typ.	60 typ.	60 typ.	60 typ.	60 typ.	65 typ.	65 typ.
	87.5 – 470	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	470 – 862	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	862 – 1006	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1006 – 1218	6.5 ± 1.0	9.0 ± 1.0	11.5 ± 1.0	13.5 ± 1.0	15.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
	1218 – 1700	7.0 ± 1.5	9.0 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	15.5 ± 1.5	17.5 ± 1.5	20.5 ± 1.5
	1700 – 2000	7.5 ± 2.0	9.0 ± 2.0	12.0 ± 2.0	14.0 ± 2.0	16.5 ± 2.0	18.5 ± 2.0	21.0 ± 2.0

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PRODUCT OVERVIEW

“btv-3xx-x-HQ series”

		Terminated			Loop-through outlets				
Parameter	Frequency [MHz]	btv-306-s-HQ	btv-308-e-HQ	btv-311-d-HQ	btv-313-d-HQ	btv-315-d-HQ	btv-317-d-HQ	btv-320-d-HQ	
Isolation [dB]	TV - Radio	87.5 - 1700	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20
		1700 - 2000	18 typ.	18 typ.	18 typ.	18 typ.	18 typ.	18 typ.	18 typ.
		5 - 65	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.
	TV - DATA	87.5 - 470	≥ 35	≥ 40	≥ 35	≥ 40	≥ 40	≥ 40	≥ 40
		470 - 862	≥ 35	≥ 40	≥ 35	≥ 40	≥ 40	≥ 40	≥ 40
	Radio - DATA	862 - 1006	≥ 32	≥ 38	≥ 32	≥ 38	≥ 38	≥ 38	≥ 40
		1006 - 1218	≥ 30	≥ 34	≥ 30	≥ 34	≥ 34	≥ 34	≥ 36
		1218 - 1700	≥ 28	≥ 30	≥ 28	≥ 30	≥ 30	≥ 30	≥ 30
		1700 - 2000	26 typ.	28 typ.	26 typ.	28 typ.	28 typ.	28 typ.	28 typ.
	OUT - DATA	5 - 65	≥ 35	≥ 35	≥ 35	≥ 35	≥ 35	≥ 40	≥ 40
		87.5 - 470	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 32	≥ 36
		470 - 862	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 32
		862 - 1006	≥ 26	≥ 26	≥ 26	≥ 26	≥ 26	≥ 26	≥ 30
		1006 - 1218	≥ 24	≥ 24	≥ 24	≥ 24	≥ 24	≥ 24	≥ 26
		1218 - 1700	≥ 22	≥ 22	≥ 22	≥ 22	≥ 22	≥ 24	≥ 24
		1700 - 2000	20 typ.	20 typ.	20 typ.	20 typ.	20 typ.	22 typ.	22 typ.
	OUT - TV	5 - 65	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.	70 typ.
		87.5 - 470	≥ 30	≥ 30	≥ 30	≥ 30	≥ 30	≥ 32	≥ 32
	OUT - Radio	470 - 862	≥ 25	≥ 25	≥ 25	≥ 25	≥ 25	≥ 28	≥ 28
		862 - 1006	≥ 23	≥ 23	≥ 23	≥ 23	≥ 25	≥ 26	≥ 28
		1006 - 1218	≥ 22	≥ 22	≥ 22	≥ 22	≥ 22	≥ 24	≥ 24
		1218 - 1700	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	≥ 22
		1700 - 2000	20 typ.	20 typ.	20 typ.	20 typ.	20 typ.	20 typ.	20 typ.
Return loss [dB]	IN, OUT	5 - 15	16	16	16	16	18	18	18
		15 - 65	18	18	18	18	18	18	18
		87.5 - 1006	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)	18 ¹⁾ (≥ 14)
		1006 - 1218	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
		1218 - 1700	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
		1700 - 2000	12 typ.	12 typ.	12 typ.	12 typ.	12 typ.	12 typ.	12 typ.
	DATA	5 - 15	18	18	18	18	18	18	18
		15 - 65	18	18	18	18	18	18	18
		87.5 - 1006	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)	18 ¹⁾ (≥ 12)
		1006 - 1700	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
		1700 - 2000	10 typ.	10 typ.	10 typ.	10 typ.	10 typ.	8 typ.	10 typ.
	TV	87.5 - 1700	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾
		1700 - 2000	10 typ.	8 typ.	10 typ.	8 typ.	10 typ.	10 typ.	8 typ.
	Radio	87.5 - 1700	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾	14 ²⁾
		1700 - 2000	10 typ.	10 typ.	10 typ.	10 typ.	8 typ.	10 typ.	8 typ.
Cable inner conductor acceptance range IN and OUT		0.4 - 1.2 mm							
Cable outer conductor acceptance range IN and OUT		3.1 - 5.8 mm							
Cable outer jacket acceptance range IN and OUT		4.1 - 7.2 mm							
Cable inner conductor pull out force IN and OUT		> 20 N at inner conductor = 0.6 - 1.13 mm							
Cable outer conductor pull out force IN and OUT		> 50 N at outer conductor = 3.2 - 5.8 mm							
Item No.		53030	53031	53032	53033	53034	53035	53036	

¹⁾ f = 40 MHz -1.5 dB/Oct.

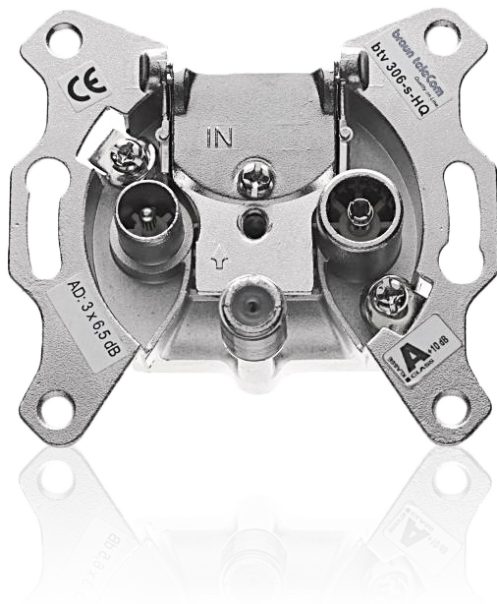
²⁾ f = 85 MHz -1.5 dB/Oct., but ≥ 10 dB

PRODUCT OVERVIEW

“btv-3xx-x-HQ series”

ADDITIONAL INFORMATION

- Frequency range forward path up to 2000 MHz, thereby ready for DOCSIS® 3.1 and MoCA 2.0
- Broadband TV- and radio-ports with 87.5 – 2000 MHz, DATA-port with 5 – 2000 MHz
- Very good linearity, thereby high cascadeability Screening according to EN 50083-2 Class A +10 dB, therefore LTE protected
- High protection against any LTE immission
- Very high intermodulation resistance of > 105 dBc according to EN 60728-4 (2 tones at 60 MHz and 65 MHz with 120 dBμV each, before and after 25 VDC surge hit)
- New outlet design according to DIN 45330 with larger cable support for an optimized bending radius and outlet body with 50 mm diameter (therefore it can be used in older wall boxes as well)
- Clamp technology for inner conductor with diameter 0.4 – 1.2 mm, suitable for coax cables with diameter 4.1 – 7.2 mm
- Very high isolation between TV and DATA
- Cover plate SAD-303 **not included**
(Item No. 53084) (please see last page)



“btv-3xx-x-HQ series”

MULTIMEDIA LOOP-THROUGH WALL OUTLETS WITH 5 – 65 MHz REVERSE PATH AND BLOCK FILTER 5 – 65 MHz IN THE THROUGH WAY

PRODUCT OVERVIEW

“btv-MMD-1x-HPF series”

Parameter	Frequency [MHz]	btv-MMD-12-HPF	btv-MMD-14-HPF
Tap loss [dB]	DATA	5 – 1000	12.0 ± 1.0
	TV	5 – 65	60 typ.
		84 – 1000	12.0 ± 1.0
	RF	5 – 65	60 typ.
		84 – 1000	12.0 ± 1.0
Through loss [dB]	5 – 65	≥45	≥45
	84 – 1000	3.5 ± 0.8	3.5 ± 0.8
Isolation [dB]	DATA - TV	5 – 65	≥70
		84 – 1000	≥42
	DATA - RF	5 – 65	≥70
		84 – 1000	≥42
	DATA - OUT	5 – 65	≥70
		84 – 1000	≥30
	TV - RF	84 – 1000	≥25
		5 – 65	≥65
	TV - OUT	84 – 1000	≥30
		5 – 65	≥65
Return loss	DATA	> 18 dB - 1.5 dB/oct.	> 18 dB - 1.5 dB/oct.
	TV	> 14 dB - 1.5 dB/oct. (>10 dB min.) f = 80 MHz	> 14 dB - 1.5 dB/oct. (>10 dB min.) f = 80 MHz
	RF	> 10 dB	> 10 dB

Item No.
53028
53029

ADDITIONAL INFORMATION

- Special DATA-port (F-female) for the separate connection of a cable modem
- TV- and RF-ports designed as broadband ports with equal through loss on TV and RF
- Reverse path block filter in the through way to protect the reverse path from conventional coax outlets installed downstream
- Cover plate SAD-155, 80 x 80 mm, white coloured RAL 9010, will be delivered together with the outlet
(Item No.53080) (please see last page)
- Surface-mount frame SAD-165, 80 x 80 x 33 mm, white colored RAL 9010, for multimedia outlets
(Item No. 53094) (please see last page)



ACCESSORIES

SAD-155

Cover plates 1-piece for coax wall outlets

Cover plate, white colored RAL 9010,
with removable blind cap at the radio-port
Item no. 53080



SAD-303

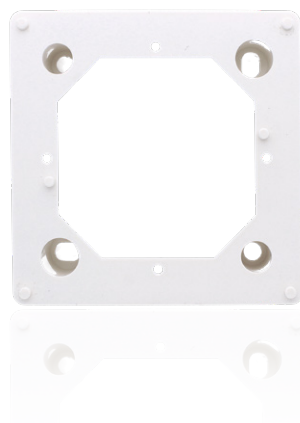
Cover plates 2-piece for coax wall outlets

Cover plate, white colored RAL 9010,
with removable blind cap at the radio-port
Item no. 53084



SAD-165

Surface-mount frame SAD-165,
80 x 80 x 33 mm, color white RAL 9010
Item no. 53094



Parameter	SAD-155	SAD-303
Suitable for outlet	3-port multimedia outlets	3-port multimedia outlets
Imprint	TV/R/DATA/SAT	TV/R/DATA
Suitable for surface-mount frame	SAD-165	
Color	White RAL 9010	
Dimensions [mm]	80 x 80	
Faceplate dimensions [mm]	-	50 x 50
Item No.	53080	53084