DKT COMEGA

4-PORT MULTIMEDIA/SAT COAX OUTLETS

4-PORT COAX OUTLETS | Various configurations

COAX NETWORKS

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DATASHEET

INTRODUCTION

The 4-port multimedia coax outlets have a galvanic isolation protection of TV-, RF- and DATA-ports against hum modulation and leakage currents, applying to the inner conductors. For the direct connection of an interactive Set-Top-Box respectively PVR and a cable modem, the 4-port antenna outlets have 2 seperate DATA-ports (F-females).
They possess an increased intermodulation resistance at 150 VDC/115 VAC/50 Hz surge in compliance with EN 60828-4.

All of our 4-port multimedia coax outlets have a high screening attenuation according EN 50083-2 Class A +10 dB.

PRODUCTS

3 **4-PORT MULTIMEDIA ANTENNA OUTLETS WITH 2 SEPARATE DATA-PORTS AND 5 – 65 MHz REVERSE PATH**
“btv-MMD-4xxx-x series”

5 **ACCESSORIES**
“SAD-165”
“SAD-400”

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4-PORT MULTIMEDIA/SAT ANTENNA OUTLETS

PRODUCT OVERVIEW

"btv-MMD-4xxx-x series"

			Terminated outlets		Loop-through outlets				
Parameter		**Frequency [MHz]**	**btv-MMD-408**	**btv-MMD-412T**	**btv-MMD-412-d**	**btv-MMD-415-d**	**btv-MMD-415-HPF**	**btv-MMD-417-d**	**btv-MMD-420-d**
Tap loss [dB]	IN – OUT	5 – 65	–	–	3 ± 1	1.7 ± 0.8	45 min.	1.1 ± 0.5	0.9 ± 0.5
		87.5 – 108	–	–	3 ± 1	1.7 ± 0.8	2 ± 1	1.1 ± 0.5	0.9 ± 0.5
		125 – 470	–	–	3 ± 1	1.7 ± 0.8	2 ± 1	1.1 ± 0.5	0.9 ± 0.5
		470 – 1218	–	–	3.5 ± 1.5	2.4 ± 1.5	2.6 ± 1.5	1.4 ± 1	1.1 ± 1
	DATA	5 – 65	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		87.5 – 108	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		125 – 470	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		470 – 1218	8.5 ± 1.5	12 ± 1	12 ± 1	15 ± 1	15.5 ± 1.5	17 ± 1	20 ± 1
	TV	5 – 65	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.
		87.5 – 108	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		125 – 470	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		470 – 1218	8.5 ± 1.5	12.5 ± 1.5	12.5 ± 1	15.5 ± 1.5	15 ± 1	17 ± 1	20 ± 1
	Radio	5 – 65	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.
		87.5 – 108	8.5 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17.5 ± 1	20.5 ± 1
		125 – 140	24 min.	24 min.	24 min.	24 min.	24 min.	24 min.	24 min.
		140 – 470	24 min.	24 min.	24 min.	24 min.	35 min.	24 min.	24 min.
		470 – 1218	35 min.	35 min.	35 min.	35 min.	35 min.	35 min.	35 min.
Through loss [dB]	IN – OUT	5 – 65	–	–	3 ± 1	1.7 ± 0.8	45 min.	1.1 ± 0.5	0.9 ± 0.5
		65 – 470	–	–	3 ± 1	1.7 ± 0.8	2 ± 1	1.1 ± 0.5	0.9 ± 0.5
		470 – 862	–	–	3 ± 1	1.7 ± 0.8	2 ± 1	1.1 ± 0.5	0.9 ± 0.5
		862 – 1006	–	–	3.5 ± 1	1.8 ± 1	2.2 ± 1	1.1 ± 0.7	0.9 ± 0.7
		1006 – 1218	–	–	4 ± 1	2.5 ± 1	2.6 ± 1	1.4 ± 1	1.1 ± 1
	IN – DATA	5 – 470	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		470 – 862	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		862 – 1006	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		1006 – 1218	8.5 ± 1	12 ± 1	12 ± 1	15 ± 1	15.5 ± 1	17 ± 1	20 ± 1
	IN – TV	5 – 65	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.
		109– 470	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		470 – 862	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		862 – 1006	8 ± 1	12 ± 1	12 ± 1	15 ± 1	15 ± 1	17 ± 1	20 ± 1
		1006 – 1218	9 ± 1	12.5 ± 1	12.5 ± 1	15.5 ± 1	15 ± 1	17 ± 1	20 ± 1
	IN – Radio	5 – 65	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.	52 min.
		87.5 – 108	8.5 ± 1	12.5 ± 1	12.5 ± 1	15.5 ± 1	15.5 ± 1	17.5 ± 1	20.5 ± 1
		126 – 140	24 min	24 min	24 min.	24 min.	24 min	28 min.	30 min.
		140 – 862	35 min.	35 min.	35 min	35 min	35 min	35 min	35 min
		1006 – 1218	35 min.	35 min.	35 min.	35 min.	35 min	35 min	35 min

The table continues on the next page

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PRODUCT OVERVIEW

"btv-MMD-4xxx-x series"

			Terminated outlets		Loop-through outlets				
Parameter		**Frequency [MHz]**	**btv-MMD-408**	**btv-MMD-412T**	**btv-MMD-412-d**	**btv-MMD-415-d**	**btv-MMD-415-HPF**	**btv-MMD-417-d**	**btv-MMD-420-d**
Isolation [dB]	TV – DATA	5 – 65	60 min.	60 min.	60 min.	60 min.	60 min.	60 min.	60 min.
	Radio – DATA	65 – 1218	30 min.	30 min.	30 min.	30 min.	30 min.	30 min.	30 min.
	OUT – DATA	5 – 65	–	–	30 min.	32 min.	35 min.	32 min.	32 min.
		87.5 – 862	–	–	26 min.	26 min.	26 min.	26 min.	26 min.
		862 – 1006	–	–	24 min.	24 min.	26 min.	26 min.	26 min.
		1006 – 1218	–	–	22 min.	22 min.	26 min.	24 min.	24 min.
	OUT – TV OUT – RADIO	5 – 65	–	–	55 min.	55 min.	55 min.	55 min.	55 min.
		87.5 – 470	–	–	24 min.	26 min.	30 min.	26 min.	26 min.
		470 – 862	–	–	24 min.	26 min.	24 min.	26 min.	26 min.
		862 – 1.006	–	–	22 min.	24 min.	22 min.	24 min.	24 min.
		1006 – 1218	–	–	20 min.	20 min.	20 min.	22 min.	22 min.
	DATA – DATA	5 – 15	35 min.	35 min.	35 min.	35 min.	32 min	35 min.	35 min.
		15 – 80	35 min.	35 min.	35 min.	35 min.	35 min	35 min.	35 min.
		80 – 160	33.5 min.	33.5 min.	33.5 min.	33.5 min.	33 min	33.5 min.	33.5 min.
		160 – 320	32 min.	32 min.	32 min.	32 min.	32 min	32 min.	32 min.
		320 – 640	30.5 min.	30.5 min.	30.5 min.	30.5 min.	30 min.	30.5 min.	30.5 min.
		640 – 862	28 min.	28 min.	28 min.	28 min.	28 min	28 min.	28 min.
		862 – 1006	28 min.	28 min.	28 min.	28 min.	28 min	28 min.	28 min.
		1006 – 1218	20 min	20 min.	20 min.	20 min.	20 min.	20 min.	20 min.
Return loss [dB]	IN	5 – 60	≥ 14[1)]	≥ 14[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]
		60 – 65	≥ 14[1)]	≥ 14[1)]	≥ 18[1)]	≥ 18[1)]	16.5	≥ 18[1)]	≥ 18[1)]
		87.5 – 1218	≥ 14[1)]	≥ 14[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]
	OUT	87.5 – 1218	–	–	≥ 18[1)]	≥ 18[1)]	16.5**	≥ 18[1)]	≥ 18[1)]
	DATA	5 – 1218	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]	≥ 18[1)]
	TV	109 – 1218	≥ 14[2)]	≥ 14[2)]	≥ 14[2)]	≥ 14[2)]	≥ 14[2)]	≥ 14[2)]	≥14[2)]
	Radio	87.5 – 108	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10
Item No.			**53020**	**53021**	**53022**	**53023**	**53024**	**53025**	**53026**

[1)] = 40 MHz -1.5 dB/Oct.
[2)] = 80 MHz -1.5 dB/Oct.

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PRODUCT OVERVIEW

“btv-MMD-4xxx-x series”

ADDITIONAL INFORMATION

- Very high isolation between TV/RF and the DATA-ports to avoid influences of TV-IF frequency by ingress of reverse signals, very high isolation between the DATA-ports in the reverse path range
- Max. IM2 products ≤ 15 dBQV before and after surge hit (2 return path signals 60 MHz and 65 MHz with 120 dBQV each)
- Cover plate SAD-400, 80 x 80 mm, white colored RAL 9010, will be delivered together with the multimedia outlets (Item No. 53085) (please see last page)
- Surface-mount frame SAD-165, 80 x 80 x 33 mm, white colored RAL 9010, for multimedia outlets **not included** (Item No. 53094) (please see last page)

KLASSE A CLASS + 10 dB

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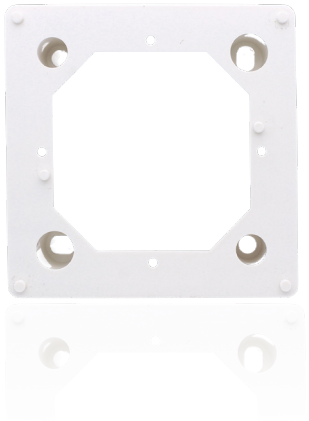
ACCESSORIES

SAD-165

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



Parameter	SAD-400
Suitable for outlet	4-port multimedia outlets
Imprint	TV/R/DATA/SAT
Suitable for surface-mount frame	SAD-165
Color	White RAL 9010
Dimensions [mm]	80 x 80
Faceplate dimensions [mm]	50 x 50
Item No.	**53085**