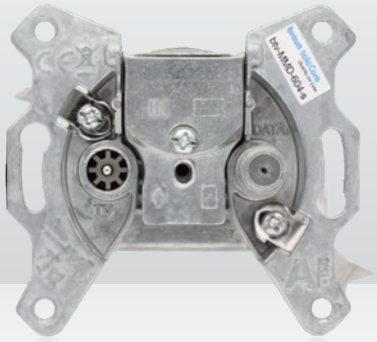
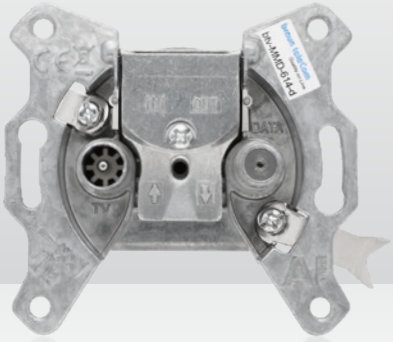
2-port multimedia broadband antenna outlets

with DATA port (5 – 1.800 MHz) and TV port (258 – 862 MHz)



21926040
btv-MMD-604-s



21926140
btv-MMD-614-d

KLASSE A CLASS + 20 dB

Parameter		Frequency [MHz]	btv-MMD-604-s	btv-MMD-609-T	btv-MMD-611-d	btv-MMD-614-d	btv-MMD-617-d	btv-MMD-620-d
Insertion loss [dB]	IN – OUT[1]	5 – 10	–	–	2,7 ± 0,5	1,5 ± 0,3	1,3 ± 0,3	0,8 ± 0,2
		200	–	–	2,4 ± 0,5	1,3 ± 0,3	1,1 ± 0,2	0,7 ± 0,2
		400	–	–	2,5 ± 0,5	1,4 ± 0,3	1,1 ± 0,2	0,8 ± 0,2
		600	–	–	2,6 ± 0,5	1,6 ± 0,3	1,2 ± 0,2	0,9 ± 0,2
		800	–	–	2,8 ± 0,6	1,8 ± 0,4	1,4 ± 0,3	1,1 ± 0,2
		1.000	–	–	3,1 ± 0,6	2,0 ± 0,4	1,5 ± 0,3	1,2 ± 0,2
		1.200	–	–	3,2 ± 0,6	2,2 ± 0,4	1,6 ± 0,3	1,4 ± 0,3
		1.400	–	–	3,5 ± 0,7	2,5 ± 0,5	1,8 ± 0,4	1,6 ± 0,3
		1.600	–	–	3,7 ± 0,7	2,8 ± 0,6	2,0 ± 0,4	1,8 ± 0,4
		1.800	–	–	4,1 ± 0,8	3,3 ± 0,7	2,2 ± 0,4	2,1 ± 0,4
	IN – DATA	5 – 10	4,0 ± 1,0	9,0 ± 1,0	11,0 ± 1,0	14,0 ± 1,0	17,0 ± 1,0	20,0 ± 1,0
		10 – 1.800	4,0 ± 1,0	9,0 ± 1,0	11,0 ± 1,0	14,0 ± 1,0	17,0 ± 1,0	20,0 ± 1,0
	IN – TV[2]	5 – 65	54 typ.	59 typ.	61 typ.	64 typ.	67 typ.	70 typ.
		65 – 204	44 typ.	49 typ.	51 typ.	54 typ.	57 typ.	60 typ.
		258 – 862	4,5 ± 1,0	9,5 ± 1,0	11,5 ± 1,0	14,5 ± 1,0	17,5 ± 1,0	20,5 ± 1,0
Isolation[3] [dB min.]	TV – DATA	5 – 65	60 min.					
		65 – 204	60 typ., 55 min.					
		204 – 258	55 – 24					
		258 – 1.800	24 min.					
	OUT – TV	5 – 65	–	–	60 min.			
		65 – 204	–	–	60 min.			
		204 – 258	–	–	60 – 24			
		258 – 862	–	–	24 min.			
		862 – 1.800	–	–	22 min.			
	OUT – DATA	5 – 204	–	–	35 min.			
		204 – 862	–	–	24 min.			
		862 – 1.800	–	–	22 min.			
Return loss[3] [dB min.]	IN & OUT	5 – 94	16					
		94 – 752	16 (at 94 MHz -1,5 dB/Oct.)					
		752 – 1.800	10 min.					
	TV	258 – 862	12,5					
	DATA	5 – 94	18					
		94 – 1.800	18 (at 94 MHz -1,5 dB/Oct.)					
Harmonic distortion [dBµV] (acc. to IEC-60728-4 and UM TS 414)[4]	before surge		< 2 dBµV (< -118 dBc)					
	after 25 VDC surge (1,2/500 µs) at all ports		< 5 dBµV (< -115 dBc)					
	after 150 VDC surge at DATA & TV ports		< 5 dBµV (< -115 dBc)					
Galvanic Isolation (acc.to IEC/EN 60728-11: 2019-02 Point 10) Semi isolated inner to inner conductor			≤ 2 mA, 230 VAC RMS 50/60 Hz; ≤ 0,7 mA, 2120 VDC (during 1 minute)					
Surge Immunity (acc.to IEC 61000-4-5 level 2)			1 kV (1,2/50 µs, internal resistance = 42 Ω)w					
Order No.			**21926040**	**21926090**	**21926110**	**21926140**	**21926170**	**21926200**

- Outlets compliant with VF TS 142 June 2021 V1.2
- Dimensions according to DIN 45330
- Zinc die-cast housing with polished finishing (CuSn whitebronze plating available on request)
- Quick and comfortable installation thanks to push-pinclamp technology for inner conductors with a diameter of 0,4 – 1,2 mm
- Suitable for coaxial cables with a diameter of 4,1 – 7,2 mm
- DATA-port as F-female acc. to IEC/EN 61169-24 with Ø 9,45 ± 0,05 mm, TV port as IEC-male acc. to IEC/EN 61169-2
- High screening Class A +10 dB acc. to DIN EN 50083-2
- High protection against any LTE ingress (LTE safe)
- DATA port 5 – 1.800 MHz, selective TV port 258 – 862 MHz
- Intermodulation resistance acc. to EN 60728-4 and UM TS 414
- Surge immunity 1 kV acc. to IEC 61000-4-5 level 2
- Galvanic isolation acc. to DIN EN 60728-11: 2019-02 Point 10; semi isolated inner to inner conductor
- Ready for DOCSIS® 3.1 and DOCSIS® 4.0
- Impedance 75 Ω
- Operating temperature range 0 – 55°C
- Cover plate SAD-122, white RAL 9010, not included and needs to be ordered seperately (Order No. 22080122)

[1] Tolerances are typical values, with additional 0,3 dB max. tolerances in mass production

[2] On the diplex filter edges 258 – 274 MHz and 800 – 862 MHz with additional 0,5 dB tolerances in mass production; in frequency range 188 – 204 MHz with max. 3 dB reduced rejection in mass production

[3] On the diplex filter edges 188 – 204 MHz and 258 – 274 MHz as well as in frequency range 5 – 10 MHz with max. 3 dB reduced return loss and isolation

[4] With 2 x 120 dBµV test signals combined and applied to each port:
Test 1: f1 = 55,25 MHz, f2 = 61,25 MHz, IM2 = 2 x f1 + f1+f2 + 2 x f2
Test 2: f1 = 193,25 MHz, f2 = 199,25 MHz, IM2 = 2 x f1 + f1+f2 + 2 x f2

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