

2-port push on adapter with band pass filter at TV port and broadband DATA port



24100020
POA-550



- Suitable for mounting onto antenna outlets with IEC-male at TV port
- 1 input IEC-female at rear side
- 2 outputs, each one IEC-male and F-female
- Intermodulation resistant according to EN 60728-4 and after 1kV pulse applied at each port

- High screening according to EN 50083-2 Class A +10 dB
- Surface coated with CuSn white bronze plating, thereby corrosion resistant
- Supplied with a protection plastic cap (pure white RAL 9010)
- TV/Radio port (IEC-male) with band pass filter (specifications below)
- Data port (F-female) broadband 5 – 2.000 MHz

Parameter		Frequency [MHz]	POA-550
Insertion loss [dB]	IN – TV/Radio	5 – 65	60 typ., 55 min.
		65 – 204	60 typ., 50 min.
		254 – 260	4,7 + 0,8
		260 – 520	4,7 + 0,3
		520 – 550	4,7 + 0,8
		550 – 580	5,5 + 1,8
		640 – 2.000	55 typ., 50 min.
	IN – DATA	5 – 862	3,7 + 0,3
		862 – 1.006	4,0 + 0,4
		1.006 – 1.218	4,4 + 0,5
		1.218 – 1.700	4,8 + 0,8
		1.700 – 2.000	5,5 + 1,3
Return loss [dB]	IN	5 – 12	13 min.
		12 – 65	20 min.
		65 – 204	20 ⁽¹⁾
		254 – 580	20 ⁽¹⁾
		640 – 1.218	14 typ., 12 min.
		1.218 – 2.000	14 typ., 12 min.
	TV/Radio	254 – 580	20 ⁽¹⁾⁽³⁾
	DATA	5 – 12	13 min.
		12 – 1.218	20 ⁽¹⁾
		1.218 – 2.000	12 min.
Isolation [dB]	TV/Radio – DATA	5 – 65	60 typ., 55 min.
		65 – 204	60 typ., 55 min. ⁽²⁾
		254 – 580	35 typ., 30 min.
		640 – 2.000	55 typ., 50 min.
Intermodulation ⁽⁴⁾ [dBμV]	after 25 V surge		≤ 10
	after 1 KV surge		≤ 10
Order No.			24100020

⁽¹⁾ At 40 MHz -1.5 dB/Oct.

⁽²⁾ In frequency range 198 – 204 MHz with additional 2,0 dB tolerances in mass production

⁽³⁾ In frequency range 254 – 260 MHz & 570 - 580 MHz with additional 2,0 dB tolerances in mass production

⁽⁴⁾ With 2 signals f1 at 60 MHz & f2 at 65 MHz (115 dBμV each) applied at OUT – OUT ports, according to EN 60728-4 and after 1 kV surge pulse at each port, IM harmonics measured at 2x f1 & f1+f2 & 2x f2