

POA-254 Selective push on adapter

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



24100015
POA-254



- 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-254	
Insertion Loss [dB]	IN – TV/Radio	5 – 65	60 typ., 55 min.
		65 – 204	60 typ., 50 min.
		254 – 862	4,7 + 0,3 ⁽²⁾
		950 – 2.000	55 min. ⁽³⁾
		5 – 862	3,7 + 0,3
Insertion Loss [dB]	IN – Data	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
		5 – 12	13 min.
Return Loss [dB]	IN	12 – 65	20 min.
		65 – 204	20 ⁽¹⁾
		254 – 862	20 ⁽¹⁾
		950 – 1.218	14 min.
		1.218 – 2.000	14 dB., 12 min.
	TV/Radio	254 – 862	20 dB ^{(1) (4)}
		5 – 12	13 min.
	Data	12 – 1.218	20 ⁽¹⁾
		1.218 – 2.000	12 min.
		5 – 65	60 typ., 55 min.
Isolation [dB]	TV/Radio – Data	65 – 204	60 typ., 55 min. ⁽⁶⁾
		254 – 862	35 typ. 30 min. ⁽⁵⁾
		950 – 2.000	55 min. ⁽³⁾
		after 25 V surge	≤ 10
Intermodulation [dBμV] ⁽⁷⁾	after 1 KV surge	≤ 10	
	Order No.	24100015	

⁽¹⁾ At 40 MHz -1.5 dB/Oct.

⁽²⁾ In frequency range 254 – 260 MHz with additional 0,5 dB loss; means 5,5 dB max.

In frequency range 750 – 800 MHz with additional 0,5 dB loss; means 5,5 dB max.

In frequency range 800 – 862 MHz with additional 2,3 dB loss; means 7,3 dB max.

⁽³⁾ In frequency range 950 – 1000 MHz with additional 5,0 dB tolerances in mass production

⁽⁴⁾ In frequency range 254 – 260 MHz with additional 2,0 dB tolerances in mass production

⁽⁵⁾ In frequency range 470 – 862 MHz with additional 2,0 dB tolerances in mass production

⁽⁶⁾ In frequency range 198 – 204 MHz with additional 2,0 dB tolerances in mass production

⁽⁷⁾ 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