

APMXXC1 MULTIMEDIA OUTLETS



The multimedia outlets are intended for use with networks utilising new digital services with for example cable modems or set top boxes.

Features

- Frequency range up to 1006 MHz
- Two equal broadband ports (TV RF) 84...1006 MHz
- High isolation between output ports (TV RF data and out)
- Colour coded for easy tap value identification
- Meets or surpasses Cenelec class outlet parameters, class A screening
- Block effectively ingress noise leaking into the network
- Superior design of the housing ensures fast and easy installation. Especially the coax cable installation is easy and enables a large bending radius over the bottom edge.

Technical specifications

Parameter	Specification	Note
Screening effectiveness	85 dB 75 dB	5...470 MHz 470...1006 MHz
Impedance (nominal)	75 Ohm	
Connectors	IEC male F female IEC female	TV Data RF

Type	APM06C1	APM10C1	APM12C1	AMP14C1	APM17C1	APM20C1
Insertion loss (dB)						
<i>Input to output</i>						
5...1006 MHz	-	-	2.5 ± 0.8	1.8 ± 0.8	1.5 ± 0.8	1.3 ± 0.8
<i>Data output</i>						
5...1006 MHz	6.5 ± 1.0	10.0 ± 1.0	12.5 ± 1.0	14.5 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
<i>TV output</i>						
5...65 MHz	> 60	> 60	> 60	> 60	> 60	> 60
84...1006 MHz	6.5 ± 1.0	10.0 ± 1.0	12.5 ± 1.0	14.5 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
<i>RF output</i>						
5...65 MHz	> 60	> 60	> 60	> 60	> 60	> 60
84...1006 MHz	6.5 ± 1.0	10.0 ± 1.0	12.5 ± 1.0	14.5 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
Return loss (min)						
<i>Input and output</i>						
5...65 MHz	18 dB	18 dB	16 dB	16 dB	18 dB	18 dB
84...1006 MHz	18 dB ¹	18 dB ¹	16 dB ¹	16 dB ¹	18 dB ¹	18 dB ¹
<i>Data output</i>						
5...1006 MHz	18 dB ¹	18 dB ¹	18 dB ¹	18 dB ¹	18 dB ¹	18 dB ¹
<i>TV output</i>						
84...1006 MHz	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹
<i>RF output</i>						
84...1006 MHz	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹	14 dB ¹
Isolation (min)						
<i>Data – TV</i>						
5...65 MHz	70 dB	70 dB	65 dB	65 dB	70 dB	70 dB
84...470 MHz	30 dB	35 dB	37 dB	40 dB	40 dB	40 dB
470...1006 MHz	27 dB	30 dB	32 dB	35 dB	40 dB	40 dB
<i>Data – RF</i>						
5...65 MHz	70 dB	65 dB ²	65 dB	65 dB	65 dB ²	65 dB ²
84...470 MHz	30 dB	35 dB	37 dB	40 dB	40 dB	40 dB
470...1006 MHz	27 dB	30 dB	32 dB	35 dB	40 dB	40 dB
<i>TV – RF</i>						
84...470 MHz	27 dB	32 dB	35 dB	35 dB	25 dB	30 dB
470...1006 MHz	25 dB	29 dB	30 dB	35 dB	25 dB	30 dB
<i>Data – output</i>						
5...65 MHz	-	-	30 dB	35 dB	40 dB	40 dB
84...470 MHz	-	-	30 dB	32 dB	35 dB	35 dB
470...1006 MHz	-	-	27 dB	27 dB	32 dB	32 dB
<i>TV – output</i>						
5...65 MHz	-	-	65 dB	65 dB	65 dB	65 dB
84...1006 MHz	-	-	30 dB	30 dB	30 dB	30 dB
<i>RF – output</i>						
5...65 MHz	-	-	65 dB	60 dB	60 dB	60 dB
84...1006 MHz	-	-	30 dB	30 dB	30 dB	30 dB

Notes

- 1) at 40 MHz, -1.5 dB per octave, min 10 dB
- 2) typical 70dB

Accessories

APC80C1	Cover 80 mm, creamy white
APF80C	Surface mount box, 80 mm, creamy white
F-81FT	F terminator

Colour Coding Chart

APM06C1	green
APM10C1	blue
APM12C1	white
APM14C1	red
APM17C1	yellow
APM20C1	black