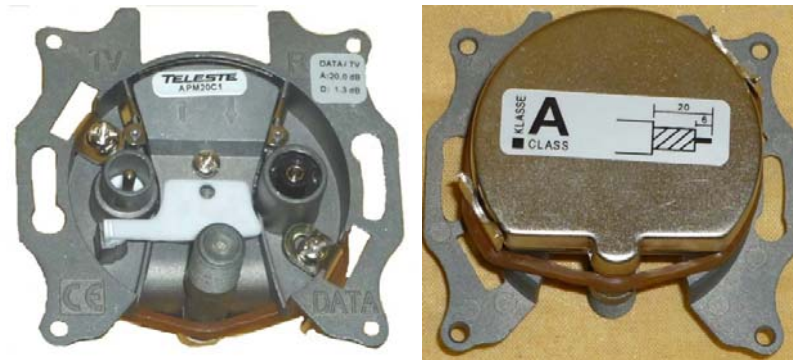


APMXXC1 MULTIMEDIA OUTLETS



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	5...470 MHz	85 dB	
	470...1006 MHz	75 dB	
Impedance (nominal)		75Ohm	
Connectors	TV	IEC male	
	Data	F female	
	RF	IEC female	
Intermodulation (2f1, f1+f2, 2f2)		-122 dBc	1.A
		-115 dBc	1.B
		-105 dBc	1.C

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Type	APM06C1	APM10C1	APM12C1	AMP14C1	APM17C1	APM20C1
Insertion loss (dB)						
<i>Input to output</i>						
5...862 MHz	-	-	2.5 ± 0.8	1.8 ± 0.8	1.5 ± 0.8	1.3 ± 0.8
862...1006MHz	-	-	2.5 ± 1.0	1.8 ± 1.0	1.5 ± 1.0	1.3 ± 1.0
<i>Data output</i>						
5...862 MHz	6.3 ± 1.0	10.0 ± 1.0	12.0 ± 1.0	14.5 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
862...1006MHz	6.3 ± 1.5	10.0 ± 1.0	12.0 ± 1.0	14.5 ± 1.5	17.0 ± 1.2	20.0 ± 1.5
<i>TV output</i>						
5...65 MHz	≥ 55 ⁵	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
84...862 MHz	6.3 ± 1.0	9.5 ± 1.0	12.5 ± 1.0	14.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
862...1006 MHz	6.3 ± 1.5	9.5 ± 1.5	12.5 ± 1.0	14.0 ± 1.0	17.0 ± 1.2	20.0 ± 1.5
<i>RF output</i>						
5...65 MHz	≥ 55 ⁵	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
84...862 MHz	6.3 ± 1.0	9.5 ± 1.0	12.5 ± 1.0	14.0 ± 1.0	17.0 ± 1.0	20.0 ± 1.0
862...1006 MHz	6.3 ± 1.5	9.5 ± 1.5	12.5 ± 1.0	14.0 ± 1.0	17.0 ± 1.2	20.0 ± 1.5
Return loss						
<i>Input and output</i>						
5...65 MHz	≥ 18 dB	≥ 18 dB	≥ 16 dB	≥ 16 dB	≥ 18 dB ³	≥ 18 dB
84...1006 MHz	≥ 18 dB ²	≥ 18 dB ²	≥ 16 dB ²	≥ 16 dB ²	≥ 18 dB ²	≥ 18 dB ²
<i>Data output</i>						
5...108 MHz	≥ 18 dB ³	≥ 18 dB ³	≥ 16 dB	≥ 18 dB ³	≥ 18 dB ²	≥ 18 dB ²
108...1006 MHz	≥ 18 dB ²	≥ 18 dB ²	≥ 18 dB ²	≥ 18 dB ²	≥ 18 dB ²	≥ 18 dB ²
<i>TV output</i>						
84...1006 MHz	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²
<i>RF output</i>						
84...1006 MHz	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²	≥ 14 dB ²
Isolation						
<i>Data – TV</i>						
5...65 MHz	≥ 65 dB ⁴	≥ 65 dB ⁴	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB ⁴
84...470 MHz	≥ 30 dB	≥ 32 dB	≥ 35 dB	≥ 40 dB	≥ 40 dB	≥ 40 dB
470...1006 MHz	≥ 27 dB	≥ 30 dB	≥ 30 dB	≥ 35 dB	≥ 40 dB	≥ 35dB
<i>Data – RF</i>						
5...65 MHz	≥ 65 dB ⁴	≥ 65 dB ⁴	≥ 65 dB	≥ 65 dB	≥ 65 dB ⁴	≥ 65 dB ⁴
84...470 MHz	≥ 30 dB	≥ 32 dB	≥ 35 dB	≥ 35 dB	≥ 38 dB	≥ 40 dB
470...1006 MHz	≥ 27 dB	≥ 30 dB	≥ 30 dB	≥ 32 dB	≥ 35 dB	≥ 35 dB
<i>TV – RF</i>						
84...470 MHz	≥ 27 dB	≥ 27 dB	≥ 35 dB	≥ 30 dB	≥ 25 dB	≥ 27 dB
470...1006 MHz	≥ 25 dB	≥ 27 dB	≥ 30 dB	≥ 30 dB	≥ 25 dB	≥ 27dB
<i>Data – output</i>						
5...65 MHz	-	-	≥ 30 dB	≥ 30 dB	≥ 35 dB	≥ 35 dB
84...470 MHz	-	-	≥ 30 dB	≥ 27 dB	≥ 35 dB	≥ 35 dB
470...1006 MHz	-	-	≥ 27 dB	≥ 27 dB	≥ 27 dB	≥ 27 dB
<i>TV – output</i>						
5...65 MHz	-	-	≥ 63 dB	≥ 65 dB	≥ 63 dB	≥ 60 dB
84...1006 MHz	-	-	≥ 27 dB	≥ 27 dB	≥ 30 dB	≥ 27 dB
<i>RF – output</i>						
5...65 MHz	-	-	≥ 63 dB	≥ 60 dB	≥ 60 dB	≥ 60 dB
84...1006 MHz	-	-	≥ 27 dB	≥ 27 dB	≥ 30 dB	≥ 27 dB

Notes

- 1) Two carriers (60 & 65 MHz), applied to DATA port, @120dB μ V
 - A No surge
 - B Measured after 10 pulses 25VDC(1,2/500 μ S) have been applied to DATA port.
 - C Measured after 1pulse 1kV (1,2/50 μ S) has been applied to DATA port.
- 2) at 40 MHz, -1.5 dB per octave, min 10 dB
- 3) at 40 MHz, -1.5 dB per octave, min 10 dB (5-10MHz $\geq$ 16dB)
- 4) typical 70dB
- 5) typical 60dB

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