

LAST MILE &  
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HOME



Indoor RF passives

## Fully Isolated Clamp Outlet and Filter **APG-series**

The APG is a unique modular approach for next generation wall outlets. It consists of a galvanic isolator, filter and installation brackets and covers enabling it to be fitted into a wide range of modular systems.


### APG-series features

- Frequency range 5-1218 MHz
- Class A screening effectiveness
- Outstanding RF performance
- Ultra low leakage current
- Nickel plated housing/contacts



**TELESTE**

## INDOOR RF PASSIVES / APG-SERIES

ELECTRICAL SPECIFICATIONS - API FULLY ISOLATED CLAMP OUTLET + F301 FILTER							
	APG062	APG102	APG132	APG152	APG172	APG202	
<b>INSERTION LOSS (dB, Max.) - IN TO OUT</b>							
Frequency (MHz)							
5 - 10	-	3.6 ± 0.5	1.7 ± 0.5	1.0 ± 0.5	0.9 ± 0.5	0.8 ± 0.5	0.8 ± 0.5
10 - 470	-	3.5 ± 0.5	1.6 ± 0.5	0.9 ± 0.5	0.8 ± 0.5	0.7 ± 0.5	0.7 ± 0.5
470 - 862	-	3.8 ± 0.5	1.8 ± 0.5	1.2 ± 0.5	1.0 ± 0.5	1.0 ± 0.5	1.0 ± 0.5
862 - 1006	-	4.0 ± 0.5	2.0 ± 0.5	1.4 ± 0.5	1.3 ± 0.5	1.2 ± 0.5	1.2 ± 0.5
1006 - 1218	-	4.1 ± 0.7	2.2 ± 0.7	1.4 ± 0.7	1.4 ± 0.7	1.3 ± 0.7	1.3 ± 0.7
<b>INSERTION LOSS (dB, Max.) - IN TO TV</b>							
5 - 65	>40.0	>50.0	>50.0	>55.0	>55.0	>55.0	>55.0
120 - 862	4.9	9.0	12.5	14.5	17.0	19.7	19.7
862 - 1006	5.4	9.5	13.0	15.0	17.5	20.0	20.0
1006 - 1218	6.3	10.8	13.5	15.5	17.8	20.5	20.5
<b>INSERTION LOSS (dB, Max.) - IN TO DATA</b>							
5 - 65	4.0	7.7	12.0	13.8	16.3	19.2	19.2
120 - 862	4.5	8.5	12.1	14.3	16.4	19.5	19.5
862 - 1006	5.0	9.0	12.2	14.5	16.6	19.7	19.7
1006 - 1218	5.5	10.0	12.4	14.8	16.9	19.9	19.9
<b>INSERTION LOSS (dB, Max.) - IN TO FM</b>							
5 - 65	>40.0	>45.0	>50.0	>50.0	>52.0	>55.0	>55.0
87,5 - 108	6.0	9.0	14.0	16.0	18.0	22.0	22.0
<b>ISOLATION (dB, Min.) - OUT TO TV</b>							
5 - 65	-	60.0	60.0	60.0	60.0	60.0	60.0
120 - 862	-	28.0	28.0	30.0	30.0	32.0	32.0
862 - 1006	-	26.0	26.0	30.0	30.0	32.0	32.0
1006 - 1218	-	22.0	24.0	27.0	27.0	30.0	30.0
<b>ISOLATION (dB, Min.) - OUT TO DATA</b>							
5 - 65	-	21.0	26.0	26.0	28.0	32.0	32.0
65 - 862	-	28.0	28.0	30.0	30.0	32.0	32.0
862 - 1006	-	27.0	27.0	29.0	30.0	31.0	31.0
1006 - 1218	-	21.0	24.0	26.0	27.0	28.0	28.0
<b>ISOLATION (dB, Min.) - OUT TO FM</b>							
87.5 - 108	-	30.0	30.0	37.0	32.0	36.0	36.0
<b>ISOLATION (dB, Min.) - TV TO DATA</b>							
5 - 65			60.0				
120 - 862			20.0				
862 - 1218			20.0				
<b>ISOLATION (dB, Min.) - TV TO FM</b>							
5 - 65			30.0				
87.5 - 108			15.0				
125 - 1218			25.0				
<b>ISOLATION (dB, Min.) - DATA TO FM</b>							
5 - 65			60.0				
85 - 1218			28.0				
<b>NOTES</b>				<b>GENERAL SPECIFICATIONS</b>			
(1) Class A, according to IEC 60728-2-2012, EMC (2) Temperature range within which the device will be within specifications				Frequency range		5 - 1218 MHz	
				Nominal impedance		75 Ohm	
				Electromagnetic comp (1) (dB, Min.)			
				5 - 300		85.0	
				300 - 470		80.0	
				470 - 1006		75.0	
1006 - 1218		55.0					
Operating temperature range (2)				0 ... +40°C			

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TELESTE CORPORATION

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