

Indoor RF passives

Fully Isolated Clamp Outlet and Filter 4APGxx SERIES

The 4APGxx series 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.

4APGxx series features

- Frequency range up to 1.8 GHz, Docsis 4.0 compliant
- Electromagnetic compatibility exceeds Class A+ (= Class A +10 dB)
- Outstanding RF performance
- Ultra low leakage current
- Nickel plated housing/contacts



One of Teleste's unique and award winning superior performance passives designed for easy installation and reliability.



INDOOR RF PASSIVES / 4APGxx SERIES

ELECTRICAL SPECIFICATIONS - 4APIxx FULLY ISOLATED CLAMP OUTLET + 4APF302 FILTER						
Frequency (MHz)	4APG062	4APG102	4APG132	4APG152	4APG172	4APG202
INSERTION LOSS (dB, Max.) - IN TO OUT						
5 - 10 10 - 470 470 - 862 862 - 1006 1006 - 1218 1218 - 1500 1500 - 1800		$\begin{array}{c} 3.8 \pm 0.5 \\ 3.5 \pm 0.5 \\ 3.8 \pm 0.5 \\ 4.0 \pm 0.5 \\ 4.1 \pm 0.7 \\ 4.3 \pm 0.7 \\ 5.0 \pm 0.7 \end{array}$	1.7 ± 0.5 1.6 ± 0.5 1.8 ± 0.5 2.0 ± 0.5 2.2 ± 0.7 2.5 ± 0.7 2.8 ± 0.7	$\begin{array}{c} 1.3 \pm 0.5 \\ 1.0 \pm 0.5 \\ 1.2 \pm 0.5 \\ 1.4 \pm 0.5 \\ 1.4 \pm 0.7 \\ 1.7 \pm 0.7 \\ 2.0 \pm 0.7 \end{array}$	$\begin{array}{c} 0.9 \pm 0.5 \\ 0.8 \pm 0.5 \\ 1.0 \pm 0.5 \\ 1.3 \pm 0.5 \\ 1.4 \pm 0.7 \\ 1.7 \pm 0.7 \\ 1.9 \pm 0.7 \end{array}$	$\begin{array}{c} 0.8 \pm 0.5 \\ 0.7 \pm 0.5 \\ 1.0 \pm 0.5 \\ 1.1 \pm 0.5 \\ 1.2 \pm 0.7 \\ 1.5 \pm 0.7 \\ 1.7 \pm 0.7 \end{array}$
INSERTION LOSS (dB, Max.) - IN TO TV						
5 - 204 256 - 862 862 - 1006 1006 - 1218 1218 - 1500 1500 - 1800	≥ 40.0 5.2 5.5 5.8 6.2 6.8	≥ 50.0 8.8 9.3 9.8 10.3 10.5	≥ 50.0 12.7 13.0 13.3 13.8 14.7	≥ 55.0 14.8 15.0 15.5 15.9 16.4	≥ 55.0 17.0 17.3 17.5 17.9 18.4	≥ 55.0 20.4 20.4 20.5 21.0 21.5
INSERTION LOSS (dB, Max.) - IN TO DATA	٩					
5 - 10 10 - 862 862 - 1006 1006 - 1218 1218 - 1500 1500 - 1800	4.3 5.0 5.3 5.5 5.8 6.8	8.3 8.6 9.0 9.4 9.8 10.3	12.3 12.3 12.5 12.7 13.3 14.7	14.4 14.7 14.9 15.1 15.4 16.4	16.6 16.5 16.7 16.9 17.4 17.9	19.8 19.8 20.0 20.1 20.4 21.4
ISOLATION (dB, Min.) - OUT TO TV						
5 - 65 120 - 862 862 - 1006 1006 - 1218 1218 - 1500 1500 - 1800	- - - - -	60.0 28.0 28.0 26.0 24.0 20.0	60.0 26.0 26.0 26.0 24.0 22.0	60.0 28.0 27.0 25.0 24.0 22.0	60.0 28.0 27.0 25.0 24.0 22.0	60.0 32.0 32.0 30.0 26.0 24.0
ISOLATION (dB, Min.) - OUT TO DATA						
5 - 65 120 - 862 862 - 1006 1006 - 1218 1218 - 1500 1500 - 1800	- - - - -	26.0 28.0 28.0 26.0 24.0 22.0	26.0 26.0 26.0 26.0 24.0 22.0	26.0 28.0 27.0 25.0 24.0 22.0	28.0 28.0 27.0 25.0 24.0 22.0	32.0 32.0 31.0 28.0 26.0 26.0
ISOLATION (dB, Min.) - TV TO DATA						
5 - 204 256 - 862 862 - 1218 1218 - 1500 1500 - 1800	60.0 20.0 20.0 16.0 16.0	60.0 20.0 20.0 16.0 16.0	60.0 17.0 17.0 16.0 16.0	60.0 17.0 17.0 16.0 16.0	60.0 20.0 17.0 16.0 16.0	60.0 20.0 20.0 16.0 16.0
RETURN LOSS (dB, Min.) - INPUT ^(II) /OUTPUT/DATA						
258 - 1800	18.0 (2)	18.0 (2)	18.0 (2)	18.0 ⁽²⁾	18.0 (2)	18.0 (2)
RETURN LOSS (dB, Min.) - TV						
258 - 1800	18.0 (2)	18.0 (2)	18.0 (2)	18.0 (2)	18.0 (2)	18.0 (2)

INDOOR RF PASSIVES / 4APGxx SERIES

GENERAL SPECIFICATIONS - 4APIxx FULLY ISOLATED CLAMP OUTLET + 4APF302 FILTER						
Frequency Range	5 - 1800 MHz	Nominal Impedance	75 Ohm			
Operating Temperature Range ⁽³⁾	0 to +40 °C	Product approval	CE			
Electromagnetic Compatibility (dB, Min.) ⁽⁴⁾		5 - 300 300 - 470 470 - 950	95.0 90.0 85.0			
Class A+ (= Class A +10dB)		950 - 1800	65.0			

1. The 4APG062 has a 8 dB relaxation at the filter crossover between 204 and 259 MHz.

2. At F \geq 40 MHz -1.5 dB/ oct.

Temperature range within which the device will be within specifications.
EMC exceeding Class A+ (= Class A +10 dB), acc. to IEC60728-2.

ORDERING INFORMATION

4APG062	4API100 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
4APG102	4API104 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
4APG132	4API108 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
4APG152	4API110 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
4APG172	4API112 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
4APG202	4API115 terminated fully isolated clamp outlet with 4APF302 Data/TV Push-on Filter, 5-1800MHz
Covers & Frames APC303-ELJO APC303-ELK APC303-SCH APC303-TEL APC313-TEL	Round corner cover in RAL9010 without logo + Base plate for 4API-1xx in RAL9010 Square cover in RAL9010 without logo + Base plate for 4API-1xx in RAL9010 Square cover in RAL9003 without logo + Base plate for 4API-1xx in RAL9010 Square cover without logo + Cover-Frame with Teleste logo + Base plate for 4API-1xx in RAL9010 85 x 85 mm frame in RAL9010



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4APGxx-SERIES 20210128

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