



Indoor RF passives

Push-On Filter **PFT-I210D**

The PFT-I210D is one of Teleste's range of Push-On devices, designed to fit Teleste Wall Outlet series. The range includes Filters, Splitters and Taps and they are available with various connector types located in different positions.

Features

- Frequency range up to 1218 MHz, Docsis 3.1 compliant
- DATA (F female) and TV (IEC male) Outputs
- Electromagnetic compatibility exceeds Class A+ (= Class A +10 dB)
- The cover bracket fits wall outlets with 25.4 and 30mm distance between TV and FM IEC connectors
- Standard 10mm IEC female connector at input. Extended 15.5 mm input connector available on request.

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

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INDOOR RF PASSIVES / PUSH-ON EVASION PFT-I210D

ELECTRICAL SPECIFICATIONS				
Insertion Loss (dB, max.) IN to DATA		Insertion Loss (dB, max.) IN to TV		
Frequency (MHz)	QA/Typ.	Frequency (MHz)	QA/Typ.	
5 - 10	4.1/3.6	258 - 271	4.5/4.0	
10 - 258	3.8/3.4	271 - 862	4.5/4.0	
258 - 862	4.3/3.9	862 - 1006	4.7/4.1	
862 - 1006	4.3/4.0	1006 - 1218	4.7/4.4	
1006 - 1218	4.7/4.4			
Isolation (dB, min.) DATA to TV		Rejection (dB, min.) IN to TV		
5 - 190	55.0	5 - 204	45.0	
190 - 204	50.0			
204 - 258	30.0			
258 - 470	27.0			
470 - 1006	25.0			
1006 - 1218	23.0			
Return Loss (dB, min.) DATA		Return Loss (dB, min.) IN		
5 - 10	16.0	5 - 10	16.0	
10 - 204	18.0	10 - 204	18.0	
204 - 320	16.0-15.5 ⁽¹⁾	204 - 258	10.0	
320 - 640	15.5-14.0 ⁽¹⁾	258 - 320	16.0-15.5 ⁽¹⁾	
640 - 1006	14.0-13.0 ⁽¹⁾	320 - 640	15.5-14.0 ⁽¹⁾	
1006 - 1218	13.0	640 - 1006	14.0-13.0 ⁽¹⁾	
		1006 - 1218	13.0	
Return Loss (dB, min.) TV				
	258 - 320		16.0-15.5 ⁽¹⁾	
	320 - 640		15.5-14.0 ⁽¹⁾	
	640 - 1006		14.0-13.0 ⁽¹⁾	
	1006 - 1218		13.0	
GENERAL				
Frequency range (MHz)	5 - 1218 MHz		Nominal Impedance	75 ohm
Housing	Material: Zinc die-cast + Plating: Nickel		F-spring	Material: Phosphore Bronze + Plating: Nickel
Back Cover	Material: soldered steel + Plating: Tin		Equipment Approval	CE
Connectors	IN	Type: Moulded IEC-Female	Material: Nickel plated Zinc die-cast	
	DATA	Type: Moulded F-female	Material: Nickel plated Zinc die-cast	
	TV	Type: Moulded IEC-male	Material: Nickel plated Zinc die-cast	
Electromagnetic Compatibility ⁽²⁾ (dB, Min.)	(MHz)		Operating Temperature Range	0 to +40 °C ⁽³⁾
	5 - 300	95		
	300 - 470	90		
	470 - 950	85		
Class A+ (+10dB)	950 - 1218	65		
Surge Immunity	1 kV, 1.2/50 µsec ⁽⁴⁾		Intermodulation f1+f2 ⁽⁵⁾ (dBc, Min.)	115.0 ⁽⁶⁾
				110.0 ⁽⁶⁾
				105.0 ⁽⁴⁾
Dimensions (L x W x D)	39,5 x 34 x 53 mm (Connectors and covers included)		Weight	0,075 kg

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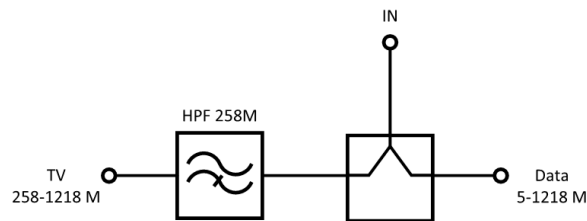
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NOTES

1. Return Loss is sloped between limits
2. EMC exceeding Class A+ (= Class A +10 dB), acc. to IEC60728-2
3. Temperature range within the device will be within specifications
4. Surge voltage 1kV, 1.2/50 μ s according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port
5. Two carriers (60 & 65 MHz) or (199 & 204 MHz) applied simultaneously (combined by splitter) on the unique bi-directional Data port, carrier levels @120 dB μ V
 - a. No Surge
 - b. Measured after 10 pulses 25 VDC (1.2/500 μ sec) have been applied to IN and DATA ports
 - c. Measured after 1pulse 1kV (1,2/50 μ sec) has been applied to IN and DATA ports

BLOCK DIAGRAM



ORDERING INFORMATION

PFT-I210D

Push-on Filter, Data/TV, 1218 MHz

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