



Indoor RF passives

Push-On Filter **PFTW-I200D**

The PFTW-I200D 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)
- Easy to install
- The cover bracket fits wall outlets with 25.4 and 30 mm 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 PFTW-I200D

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	4.1/3.7	5 - 10	4.0/3.6	
10 - 258	3.8/3.4	10 - 61	4.4/4.0	
258 - 1006	4.6/4.1	61 - 65	4.7/4.4	
1006 - 1218	5.0/4.5	258 - 271	4.7/4.2	
		271 - 862	4.7/4.3	
		862 - 1006	4.7/4.4	
		1006 - 1218	5.0/4.7	
Isolation (dB, min.) DATA to TV		Rejection (dB, min.) IN to TV		
5 - 15	25.0			
15 - 65	30.0			
85 - 204	55.0	85 - 204	45.0/50.0	
258 - 862	27.0			
862 - 1006	25.0			
1006 - 1218	23.0			
Return Loss (dB, min.) DATA		Return Loss (dB, min.) IN		
5 - 15	15.0	5 - 15	15.0	
15 - 204	18.0	15 - 65	18.0	
204 - 258	18.0-16.0 ⁽¹⁾	65 - 85	10.0	
258 - 320	16.0-15.5 ⁽¹⁾	85 - 204	16.5	
320 - 640	15.5-14.0 ⁽¹⁾	204 - 258	10.0	
640 - 862	14.0-13.5 ⁽¹⁾	258 - 320	16.0-15.5 ⁽¹⁾	
862 - 1006	13.5-13.0 ⁽¹⁾	320 - 640	15.5-14.0 ⁽¹⁾	
1006 - 1218	13.0	640 - 862	14.0-13.5 ⁽¹⁾	
		862 - 1006	13.5-13.0 ⁽¹⁾	
		1006 - 1218	13.0	
Return Loss (dB, min.) TV ⁽²⁾				
	5 - 15		15.0	
	15 - 65		18.0	
	85 - 204		15.0	
	258 - 320		14.0-13.5 ⁽¹⁾	
	320 - 640		13.5-12.0 ⁽¹⁾	
	640 - 1218		12.0	
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 ⁽³⁾ (dB, Min.)	(MHz)		Operating Temperature Range	0 to +40 °C ⁽⁴⁾
	5 - 300	95		
	300 - 470	90		
	470 - 950	85		
Class A+ (+10dB)	950 - 1218	65		
Surge Immunity	1 kV, 1.2/50 µsec ⁽⁵⁾		Intermodulation 2f1, f1+f2, 2f2 ⁽⁶⁾ (dBc, Min.)	115.0 ^(a) 110.0 ^(b) 105.0 ^(c)
Dimensions (L x W x D)	55,5 x 57 x 53 mm (Connectors and covers included)		Weight	0,085 kg

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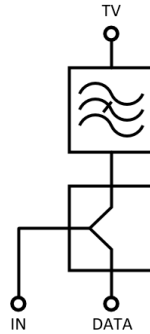
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INDOOR RF PASSIVES / PUSH-ON FILTER PFTW-I200D

NOTES

1. Return Loss is sloped between limits
2. Return Loss on TV Port is not specified in the cross-over bandwidths 65-85 and 204-258MHz
3. EMC exceeding Class A+ (= Class A+10 dB), acc. to IEC60728-2
4. Temperature range within the device will be within specifications
5. 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
6. Two carriers (60 & 65 MHz) applied to TV port or two carriers (199 & 204 MHz) applied to 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

PFTW-I200D

Push-on Filter, Wide housing, Data/TV, 1218 MHz

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