



Indoor RF passives

Push-On Internet Optimizer with Filtering PFT-I207D-L

The PFT-I207D-L 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
- Long 15.5 mm IEC female connector at input
- Electromagnetic compatibility exceeds Class A+ (= Class A +10 dB)
- The cover bracket to fix this Push-on in the Outlet center fits wall outlets with 25.4 and 30 mm distance between connectors

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 INTERNET OPTIMIZER WITH FILTERING

ELECTRICAL SPECIFICATIONS				
Insertion Loss (dB, max.) IN to DATA		Insertion Loss (dB, max.) IN to TV		
Frequency (MHz)		Frequency (MHz)		
5 - 204	1.0	258 - 862	4.5	
258 - 862	4.5	862 - 1006	4.8	
862 - 1006	4.8	1006 - 1218	5.5	
1006 - 1218	5.5			
Isolation (dB, min.) DATA to TV		Rejection (dB) IN to TV		
5 - 204	50	5 - 204	50	
258 - 1006	25			
1006 - 1218	25			
Return Loss (dB, min.) IN ⁽¹⁾ / DATA		Return Loss (dB, min.) TV		
5 - 10	16.0	258 - 320	15.0	
10 - 85	18.0	320 - 640	15.0	
85 - 204	16.5	640 - 1218	13.5	
258 - 320	15.0			
320 - 640	15.0			
640 - 1218	13.5			
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 ^(a+b)
Dimensions (L x W x D)	39,5 x 34 x 53 mm (Connectors and covers included)		Weight	0,075 kg
NOTES		BLOCK DIAGRAM		
<ol style="list-style-type: none"> Input Return Loss is specified in the bands 5..204, 258..1218 MHz EMC exceeding Class A+ (= Class A +10 dB), acc. to IEC60728-2 Temperature range within the device will be within specifications Surge voltage 1kV, 1.2/50µs according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port Two carriers (199 & 204 MHz), applied to each port, @ 120 dBµV <ol style="list-style-type: none"> No Surge Measured after 10 pulses 25 VDC (1.2/500 µsec) have been applied to each port 				

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Push-on splitter with filtering, 2GHz_201124

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