

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.



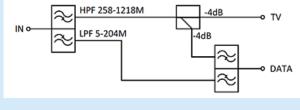
INDOOR RF PASSIVES / PUSH-ON INTERNET OPTIMIZER WITH FILTERING

ELECTRICAL SPECIFICATIONS				
Insertion Loss (dB, max.) IN to DATA		Insertion Loss (dB, max.) IN to T	Insertion Loss (dB, max.) IN to TV	
Frequency (MHz) 5 - 204 258 - 862 862 - 1006 1006 - 1218	1.0 4.5 4.8 5.5	Frequency (MHz) 258 - 862 862 - 1006 1006 - 1218	4.5 4.8 5.5	
Isolation (dB, min.) DATA to T	ΓV	Rejection (dB) IN to TV		
5 - 204 258 - 1006 1006 - 1218	50 25 25	5 - 204	50	
Return Loss (dB, min.) IN ⁽¹⁾ / E	DATA	Return Loss (dB, min.) TV		
5 - 10 10 - 85 85 - 204 258 - 320 320 - 640 640 - 1218	16.0 18.0 16.5 15.0 15.0 13.5	258 - 320 320 - 640 640 - 1218	15.0 15.0 13.5	
GENERAL				
Frequency range (MHz)	5 - 1218 MHz	Nominal Impedance	75 ohm	
Housing	Material: Zinc die-cast + Plating: Nickel	F-spring	F-spring Material: Phosphore Bronze + Plating: Nickel	
Back Cover	Material: soldered steel + Plating: Tin	Equipment Approval	CE	
Connectors	INType: Moulded IEC-FeDATAType: Moulded F-femTVType: Moulded IEC-m	ale Material: Nickel plated Zinc die	-cast	
Electromagnetic Compatibility ⁽²⁾ (dB, Min.) Class A+ (+10dB)	(MHz) 5 - 300 9 300 - 470 9 470 - 950 8 950 - 1218 6	Operating Temperature Range	0 to +40 °C ⁽³⁾	
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		
 EMC exceeding Class A Temperature range with the second seco	ecified in the bands 5204, 2581218 MHz A+ (= Class A +10 dB), acc. to IEC60728-2 thin the device will be within specifications	HPF 258-12	218M -4dB • TV	

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 4. each port

5. Two carriers (199 & 204 MHz), applied to each port, @ 120 dBµV a. No Surge

b. Measured after 10 pulses 25 VDC (1.2/500 µsec) have been applied to each port





TELESTE CORPORATION www.teleste.com

Push-on splitter with filtering, 2GHz_201124

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