



Indoor RF passives

## 2.0 GHz Push-on splitter with 204/258 MHz freq. split **TPS-258**

The TPS-258 is one of Teleste's range of Push-On devices, designed to fit Teleste Wall Outlet series and other manufacturer's wall outlets.

### Features

- Frequency range up to 2 GHz, Docsis 4.0 compliant
- Very good intermodulation performance
- Electromagnetic compatibility exceeds Class A+ (= Class A +10 dB)
- Zinc die-cast housing with White Bronze plating
- Filter 204/258 MHz (862/950 MHz)

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

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## INDOOR RF PASSIVES / TPS-258

ELECTRICAL SPECIFICATIONS				
Insertion Loss (dB, max.) - IN to TV		Insertion Loss (dB, max.) - IN to DATA		
Frequency (MHz)		Frequency (MHz)		
258 - 271	5.3	5 - 10	4.1	
271 - 700	4.8	10 - 640	4.0	
700 - 800	5.3	640 - 1006	4.3	
800 - 862	6.2	1006 - 1218	4.4	
		1218 - 1750	4.6	
		1750 - 2000	5.0	
Rejection (dB, min.) - IN to TV		Isolation (dB, min.) - TV to DATA		
5 - 204	48.0	5 - 204	55.0	
950-2000	48.0	258 - 470	35.0	
		470 - 862	30.0	
		950 - 2000	55.0	
Return Loss (dB, min.) - TV		Return Loss (dB, min.) - IN / DATA		
258 - 862	20.0 <sup>(1)</sup>	5 - 12	16.0	
		12 - 40	20.0	
		40 - 1218	20.0 <sup>(1)</sup>	
		1218 - 2000	13.0	
GENERAL				
Frequency range (MHz)	5 - 2000 MHz		Nominal Impedance	75 ohm
Materials	Housing	Die-cast + White Bronze plating		
	Back-lid	Copper + Nickel plating		
	IEC-female connector inner-spring outer-spring	Die-cast + White Bronze plating Beryllium copper + Nickel plating Beryllium copper + black Nickel plating		
	IEC-male connector male-pin	Die-cast + White Bronze plating Brass + Nickel plating		
F-female connector female-spring	Die-cast + White Bronze plating Beryllium copper + Nickel plating			
Electromagnetic Compatibility <sup>(2)</sup> (dB, Min.)		(MHz)		
		5 - 300		95.0
		300 - 470		90.0
		470 - 950		85.0
		950 - 2000		65.0
Intermodulation distortion All ports (dBc, Min.)	before surge	118.0 <sup>(6)</sup>	Surge Immunity	1 kV, 1.2/50 µsec <sup>(4)</sup>
	after 25V surge	110.0 <sup>(6)</sup>		
	after 1kV surge	105.0 <sup>(6)</sup>		
2f1, f1 + f2, 2f2 <sup>(3)</sup>				
Dimensions (L x W x D)	39.5 x 34 x 53 mm (Connectors and covers included)		Weight	0,075 kg
NOTES				
1. At F ≥ 40 MHz -1.5 dB/ oct., 10 dB min. in 204-258 and 862-950 MHz cross-over bandwidths				
2. EMC exceeding Class A+ (= Class A +10 dB), acc. to IEC60728-2				
3. Two carriers (199 & 204 MHz), applied to each port, @ 115 dBµV				
a. No Surge				
b. Measured after 10 pulses 25 VDC (1.2/500 µS) have been applied to each port				
c. Measured after 1 pulse of 1 kV (1.2/50 µsec) have been applied to each port				
4. 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				
ORDERING INFORMATION				
TPS-258	Push-on Splitter TV/DATA 2.0 GHz			

# TELESTE

TELESTE CORPORATION

[www.teleste.com](http://www.teleste.com)

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