



Indoor RF passives

2-Port Wall-Outlet, RTV + Data, Loop Through **TSO-203IF/L4**

The TSO range of splitter outlets combine high screening efficiency with wideband ports up to 1218MHz with very low port losses and high isolation performance. With outstanding inner spring resilience to ensure good contact pressure and with easy access front cable connection, installation is swift and reliable.

TSO-203IF/L4 features

- Frequency range up to 1218 MHz
- Class A screening effectiveness
- Outstanding RF performance
- All ports featuring F-female connectors
- Zinc Die-cast Housing with Nickel Plating

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

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INDOOR RF PASSIVES / TSO-203IF/L4

SPECIFICATIONS					
Insertion Loss (dB, Max.)					
In to Data		In to TV		In to Out	
Frequency (MHz)				Frequency (MHz)	
5 - 85	≤ 5.3	≥ 45.0	5 - 1006	≤ 4.5	
105 - 1006	≤ 9.3	≤ 9.3	1006 - 1218	≤ 6.5	
1006 - 1218	≤ 11.3	≤ 11.3			
Return Loss (dB, Min.)					
		In & Data		Out	
				TV	
5 - 85	≥ 18 ⁽¹⁾	5 - 1006	≥ 18 ⁽¹⁾	105 - 1006	≥ 18 ⁽¹⁾
105 - 1006	≥ 18 ⁽¹⁾	1006 - 1218	≥ 10	1006 - 1218	≥ 10
1006 - 1218	≥ 10				
Isolation (dB, Min.)					
		Data & TV - Out		TV - Data	
5 - 1006	≥ 22.0	5 - 85	≥ 45.0		
1006 - 1218	≥ 22.0	105 - 1006	≥ 22.0		
		1006 - 1218	≥ 22.0		
Electromagnetic compatibility⁽²⁾ (dB, Min.)					
5 - 300			85		
300 - 470			80		
470 - 950			75		
950 - 1218			55		
GENERAL SPECIFICATIONS					
Frequency range	5 - 1218 MHz	Nominal impedance	75 Ohm		
Output connectors	F-female and IEC-male	Dimensions	69 x 64,5 x 35 mm		
Weight	0,097 kg	Surge immunity	1 kV, 1.2/50µS ⁽⁵⁾		
Intermodulation⁽³⁾ (2f1, f1 + f2, 2f2) (dBc, Min.)	122.0 ^(a) 115.0 ^(b)	Safety Isolation	Inner conductor input to inner conductor output		
			2120 VDC		
			≤ 0.7 mA, ≥ 1 minute ⁽⁴⁾		
			230 VAC RMS, 50/60 Hz		
			≤ 8.0 mA RMS ⁽⁴⁾		
Housing (material/plating)	Zinc die-cast / nickel plated Steel back lid / tin plated	Connectors (material/plating)	Spring of F female		
			Phosphor bronze/Nickel		
EMC compatibility	EN 50083-2	Product approval	CE		
Notes:					
(1) * F > 40 MHz -1.5 dB/oct, with a minimum of 14.5 dB					
(2) Class A, according to IEC 50083-2					
(3) Two carriers (60 & 65 MHz), applied to (each)output port, @120dBµV					
(a) No surge					
(b) Measured after 10 pulses 25VDC (1,2/500µS) applied to each port					
(4) According to IEC-60728-11 2007, Safety					
(5) Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port					
GENERAL SPECIFICATIONS					
TSO-203IF/L4	2 - Port Wall Outlet, RTV + Data, 85/105MHz Split, Loop Through				

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TELESTE CORPORATION
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TSO-203IF/L4_190409

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