



Indoor RF passives

## 2-Port Wall-Outlet, RTV + Data, Terminated **TSO-203IF**

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 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

SPECIFICATIONS				
<b>Insertion Loss (dB, Max.)</b>				
<b>In to Data</b>		<b>In to TV</b>		
Frequency (MHz)				
5 - 85	≤ 1.3	5 - 85	≥ 45.0	
105 - 862	≤ 4.8	105 - 862	≤ 4.8	
862 - 1006	≤ 5.0	862 - 1006	≤ 5.3	
1006 - 1218	≤ 6.5	1006 - 1218	≤ 6.5	
<b>Return Loss (dB, Min.)</b>				
	<b>In</b>	<b>Data</b>	<b>TV</b>	
5 - 85	≥ 18 <sup>(1)</sup>	≥ 18 <sup>(1)</sup>	105 - 1006	≥ 18 <sup>(1)</sup>
105 - 1006	≥ 18 <sup>(1)</sup>	≥ 18 <sup>(1)</sup>	1006 - 1218	≥ 10
1006 - 1218	≥ 10	≥ 10		
<b>Isolation (dB, Min.)</b>				
<b>TV to DATA</b>				
5 - 85			≥ 45	
105 - 862			≥ 22	
862 - 1006			≥ 18	
1006 - 1218			≥ 16	
<b>Electromagnetic compatibility<sup>(2)</sup> (dB, Min.)</b>				
5 - 300			85	
300 - 470			80	
470 - 950			75	
950 - 1218			55	
GENERAL SPECIFICATIONS				
<b>Frequency range</b>	5 – 1218 MHz	<b>Nominal impedance</b>	75 Ohm	
<b>Output connectors</b>	F-female and IEC-male	<b>Dimensions</b>	69 x 64,5 x 35 mm	
<b>Weight</b>	0,097 kg	<b>Surge immunity</b>	1 kV, 1.2/50µS <sup>(5)</sup>	
<b>Intermodulation<sup>(3)</sup> (2f1, f1 + f2, 2f2) (dBc, Min.)</b>	122.0 <sup>(a)</sup> 115.0 <sup>(b)</sup>	<b>Safety Isolation</b>	Inner conductor input to inner conductor output	
			2120 VDC	
			230 VAC RMS, 50/60 Hz	
			≤ 0.7 mA, ≥ 1 minute <sup>(4)</sup>	
			≤ 8.0 mA RMS <sup>(4)</sup>	
<b>Housing (material/plating)</b>	Zinc die-cast / nickel plated Steel back lid / tin plated	<b>Connectors (material/plating)</b>	Spring of F female Phosphor bronze/Nickel	
<b>EMC compatibility</b>	EN 50083-2	<b>Product approval</b>	CE	
<b>Notes:</b>				
(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				
<b>TSO-203IF</b>	2 - Port Wall Outlet, RTV + Data, 85/105MHz Split, Terminated			

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