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Indoor RF passives

SOT-SERIES

The SOT range of wall outlets is designed to allow operators to build their networks in the best way possible.

These incorporate our unique Ingress and Egress Reduction BarriER Technology which prevents noise and other signal disturbances leaking into the network from the home installation and also prevents noise and other signal disturbances from the network entering the home. Thanks to incorporating this technology on the customer ports, broadband services are improved, especially in the area of DOCSIS upstream frequencies, giving enhance network performance and improved reliability.

SOT-series features

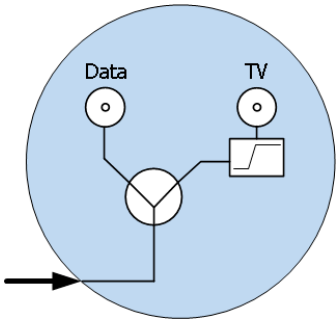
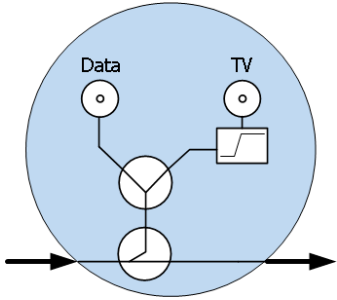
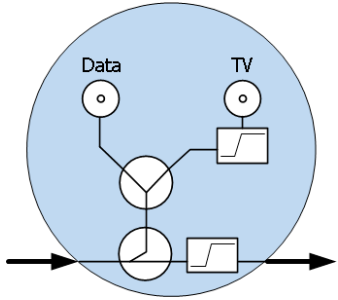
- A wide range of outlet versions - all having a frequency range up to 1218 MHz
- BarriER technology at customer ports
- Terminated & loop through versions with duplex split 204/258 MHz
- Meets Class A Screening requirements
- All ports feature 1 kV high voltage protection

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

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INDOOR RF PASSIVES / SOT-SERIES

SPECIFICATIONS				
Insertion Loss (dB)				
In - Out	SOT-203B-B		SOT-204B-B/Lx	SOT-205B-B/Lx
Frequency (MHz)			(8/10/13 dB)	(8/10/13 dB)
5 - 65	-		≤3.5/3.3/2.0	≥30
65 - 204	-		-	≥30
-	-	Freq. 65-470 MHz	≤4.0/3.8/2.0	Freq. 256-470 MHz
470 - 862	-		≤4.5/4.3/2.4	≤4.5/4.2/2.8
862 - 1006	-		≤4.7/4.5/2.6	≤4.7/4.5/2.6
1006 - 1218	-		≤4.8/4.6/2.9	≤4.8/4.6/2.8
				≤5.0/4.8/3.1
In - TV port				
5 - 204	≥30		≥30	≥30
256 - 470	≤4.3		8/10/13 ±1.5	8/10/13 ±1.5
470 - 862	≤4.4		8/10/13 ±1.5	8/10/13 ±1.5
862 - 1006	≤4.6		8/10/13 ±1.5	8/10/13 ±1.5
1006 - 1218	≤4.9		8.5/10.5/13.5 ±1.5	8.5/10.5/13.5 ±1.5
In - Data port				
5 - 10	≤3.5		8/10/13 ±1.5	8/10/13 ±1.5
10 - 65	≤3.7		8/10/13 ±1.5	8/10/13 ±1.5
65 - 470	≤3.9		8/10/13 ±1.5	8/10/13 ±1.5
470 - 862	≤4.2		8/10/13 ±1.5	8/10/13 ±1.5
862 - 1006	≤4.4		8/10/13 ±1.5	8/10/13 ±1.5
1006 - 1218	≤4.7		8.5/10.5/13.5 ±1.5	8.5/10.5/13.5 ±1.5
Return Loss (dB)				
Input				
5 - 204	≥18 ⁽¹⁾		≥18 ⁽¹⁾	≥18 ⁽¹⁾
256 - 1218	≥18 ⁽¹⁾		≥18 ⁽¹⁾	≥18 ⁽¹⁾
TV-port				
256 - 1218	≥18 ⁽¹⁾		≥18 ⁽¹⁾	≥18 ⁽¹⁾
Data port				
5 - 1218	≥18 ⁽¹⁾		≥18 ⁽¹⁾	≥18 ⁽¹⁾
Output				
5 - 1218	-		≥18 ⁽¹⁾	-
256 - 1218	-		-	≥18 ⁽¹⁾
Isolation (dB)				
Data to TV				
5 - 204	≥50		≥50	≥50
256 - 1006	≥22		≥22	≥22
1006 - 1218	≥20		≥20	≥20
Out to Data				
5 - 10	-		≥24	≥45
10 - 65	-		≥30	≥45
65 - 204	-		-	≥45
-	-	Freq. 65-470 MHz	≥24	Freq. 256-470 MHz
470 - 862	-		≥22	≥22
862 - 1006	-		≥20	≥20
1006 - 1218	-		≥20	≥20
Out to TV				
5 - 204	-		≥45	≥45
256 - 862	-		≥22	≥22
862 - 1006	-		≥20	≥20
1006 - 1218	-		≥20	≥20

SPECIFICATIONS			
Electromagnetic Compatibility (dB) ⁽²⁾			
Input	SOT-203B-B	SOT-204B-B/Lx	SOT-205B-B/Lx
Frequency (MHz)		(8/10/13 dB)	(8/10/13 dB)
5-300	≥85	≥85	≥85
300-470	≥80	≥80	≥80
470-950	≥75	≥75	≥75
950-1218	≥55	≥55	≥55
Surge Immunity			
Each port	1 kV	1 kV	1 kV
General			
Screening effectiveness	Class A	Impedance (nominal)	75 Ohm
Connections	In/out TV Data	Cable clamp IEC-male BarriER F-female BarriER Lite	
Notes: (1) @ F >40 MHz -1,5 dB per octave, min.14 dB (2) Class A, according to IEC 60728-2 2012			
BLOCK DIAGRAM			
SOT-203B-B	SOT-204B-B/Lx	SOT-205B-B/Lx	
			

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ORDERING INFORMATION

Wall Outlets:

SOT-203B-B	2-port Wall Outlet, TV + Data, including BarriER Technology
SOT-204B-B/L 08	2-port Wall Outlet/Loop Through, 8 dB, TV + Data, including BarriER Technology
SOT-204B-B/L 10	2-port Wall Outlet/Loop Through, 10 dB, TV + Data, including BarriER Technology
SOT-204B-B/L 13	2-port Wall Outlet/Loop Through, 13 dB, TV + Data, including BarriER Technology
SOT-205B-B/L 08	2-port Wall Outlet/HPF + Loop Through, 8 dB, TV + Data, including BarriER Technology
SOT-205B-B/L 10	2-port Wall Outlet/HPF + Loop Through, 10 dB, TV + Data, including BarriER Technology
SOT-205B-B/L 13	2-port Wall Outlet/HPF + Loop Through, 13 dB, TV + Data, including BarriER Technology

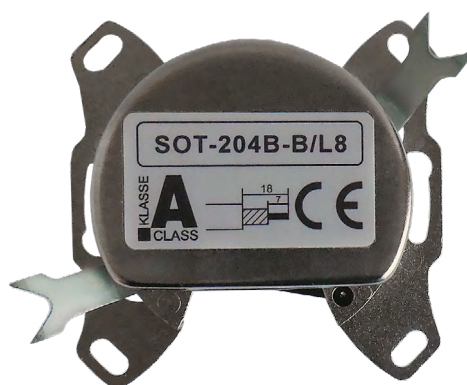
Note: Covers are included with all outlets.

Accessories:

SOF85A	Surface Mount Frame 84mm for SOT Wall Outlets.
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PICTURE GALLERY

**// Incorporates our
unique Ingress and
Egress Reduction
BarriER Technology**



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TELESTE CORPORATION
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SOT-SERIES_180214

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