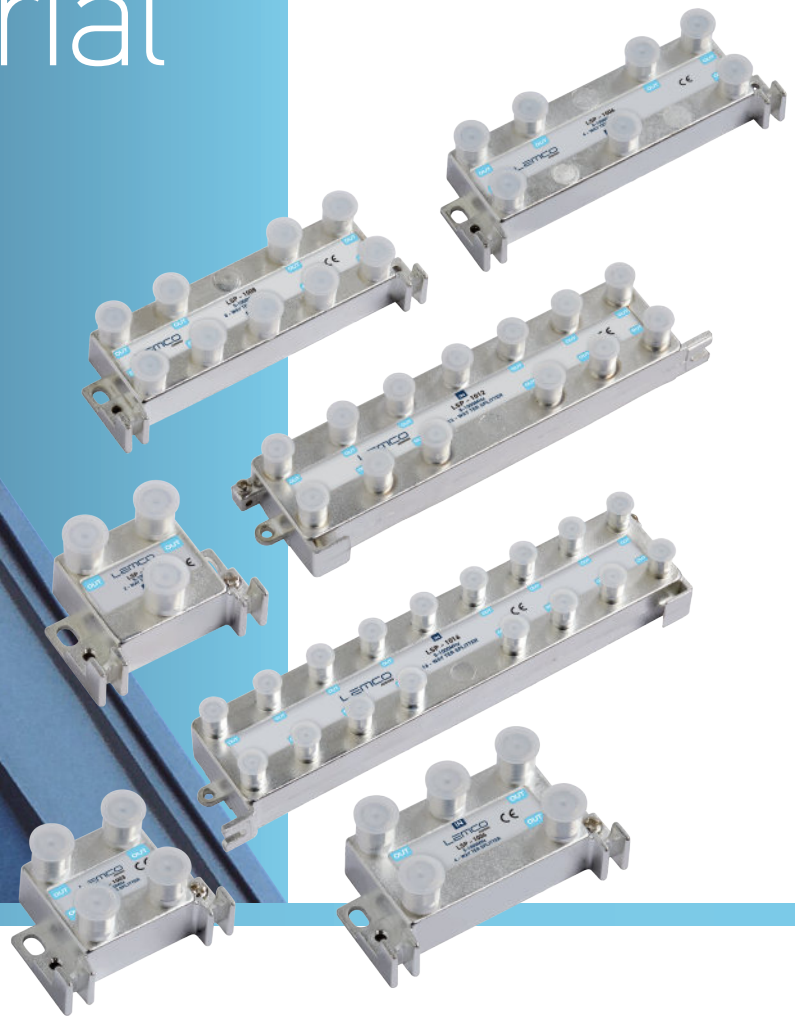


RF Terrestrial Splitters

- HIGH RF ISOLATION
- LOW INSERTION LOSS
- EXCELLENT ELECTROMAGNETIC SHIELDING



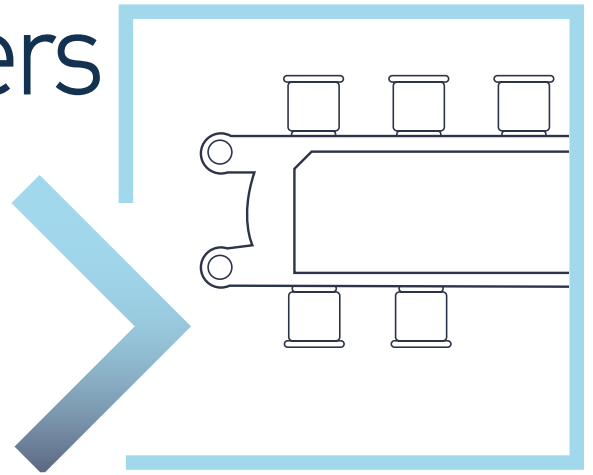
Leading the signal
all over the world



RF Terrestrial Splitters

The LSP-100x RF terrestrial splitters are the ultimate solution in case we need to split or combine any RF terrestrial signal between 5-1000MHz. They have excellent performance and specifications such as low insertion loss and high RF isolation.

Their die cast metal case render the LSP-100x splitters series able to work under difficult conditions while it provides excellent electromagnetic shielding.



LSP-1002

Technical Specifications



Electrical

Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)

5 - 40 MHz	≤ 3.5dB max
40 - 470 MHz	≤ 3.6dB max
470 - 860 MHz	≤ 3.8dB max
860 - 1000 MHz	≤ 4.0dB max

Return Loss (in-out)

5 - 40 MHz	≥ 25.0dB
40 - 470 MHz	≥ 25.0dB
470 - 860 MHz	≥ 22.0dB
860 - 1000 MHz	≥ 20.0dB

Isolation (out-out)

5-40 MHz	≥30.0dB
40-470 MHz	≥30.0dB
470-860 MHz	≥28.0dB
860-1000 MHz	≥25.0dB
All ports are DC Block	50V

Connectors

No of inputs	1
No of outputs	2
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13

Code	5213009761642
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General

Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	52.5 x 38.5 x 28mm
Weight	50.0 gr

LSP-1003

Technical Specifications



Electrical

Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)

5-40 MHz	≤5.5dB max
40-470 MHz	≤5.5dB max
470-860 MHz	≤6.0dB max
860-1000 MHz	≤6.2dB max

Return Loss (in-out)

5-40 MHz	≥22.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB

Isolation (out-out)

5-40 MHz	≥30.0dB
40-470 MHz	≥25.0dB
470-860 MHz	≥25.0dB
860-1000 MHz	≥25.0dB
All ports are DC Block	50V

Connectors

No of inputs	1
No of outputs	3
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13

Code	5213009761659
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General

Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	52.5 x 38.5 x 28mm
Weight	52.5 gr

LSP-1004



Technical Specifications

Electrical	
Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)	
5-40 MHz	≤7.0dB max
40-470 MHz	≤7.2dB max
470-860 MHz	≤7.6dB max
860-1000 MHz	≤8.0dB max

Return Loss (in-out)	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB

Isolation (out-out)	
5-40 MHz	≥35.0dB
40-470 MHz	≥30.0dB
470-860 MHz	≥28.0dB
860-1000 MHz	≥25.0dB
All ports are DC Block	50V

Connectors	
No of inputs	1
No of outputs	4
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13	
Code	5213009761666

General	
Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	75 x 38.5 x 28mm
Weight	69.0 gr

LSP-1006



Technical Specifications

Electrical	
Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)	
5-40 MHz	≤10.0dB max
40-470 MHz	≤10.0dB max
470-860 MHz	≤10.5dB max
860-1000 MHz	≤11.0dB max

Return Loss (in-out)	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB

Isolation (out-out)	
5-40 MHz	≥25.0dB
40-470 MHz	≥25.0dB
470-860 MHz	≥25.0dB
860-1000 MHz	≥25.0dB
All ports are DC Block	50V

Connectors	
No of inputs	1
No of outputs	6
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13	
Code	5213009761673

General	
Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	117 x 38.5 x 28mm
Weight	122.0 gr

LSP-1008



Technical Specifications

Electrical	
Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)	
5-40 MHz	≤10.5dB max
40-470 MHz	≤11.0dB max
470-860 MHz	≤11.5dB max
860-1000 MHz	≤12.0dB max

Return Loss (in-out)	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB

Isolation (out-out)	
5-40 MHz	≥30.0dB
40-470 MHz	≥27.0dB
470-860 MHz	≥27.0dB
860-1000 MHz	≥25.0dB
All ports are DC Block	50V

Connectors	
No of inputs	1
No of outputs	8
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13	
Code	5213009761680

General	
Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	117 x 38.5 x 28mm
Weight	122.0 gr

LSP-1012



Technical Specifications

Electrical	
Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)	
5-40 MHz	≤12.5dB max
40-470 MHz	≤12.5dB max
470-860 MHz	≤13.5dB max
860-1000 MHz	≤14.5dB max

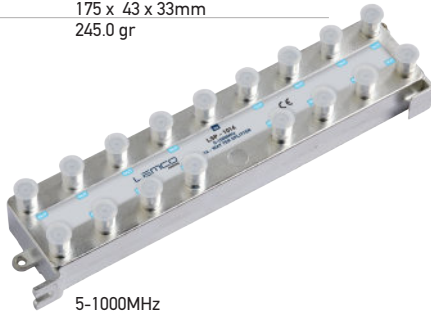
Return Loss (in-out)	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥18.0dB
860-1000 MHz	≥17.0dB

Isolation (out-out)	
5-40 MHz	≥25.0dB
40-470 MHz	≥25.0dB
470-860 MHz	≥25.0dB
860-1000 MHz	≥22.0dB
All ports are DC Block	50V

Connectors	
No of inputs	1
No of outputs	12
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13	
Code	5213009761697

General	
Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	175 x 43 x 33mm
Weight	245.0 gr



LSP-1016

Technical Specifications

Electrical	
Frequency range	5-1000MHz
Impedance	75Ω

Insertion loss (in-out)	
5-40 MHz	≤14.5dB max
40-470 MHz	≤14.5dB max
470-860 MHz	≤15.5dB max
860-1000 MHz	≤16.0dB max

Return Loss (in-out)	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥18.0dB
860-1000 MHz	≥17.0dB

Isolation (out-out)	
5-40 MHz	≥25.0dB
40-470 MHz	≥25.0dB
470-860 MHz	≥25.0dB
860-1000 MHz	≥22.0dB
All ports are DC Block	50V

Connectors	
No of inputs	1
No of outputs	16
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

EAN-13	
Code	5213009761703

General	
Housing material	Zinc Alloy Die-cast
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	235 x 54.5 x 35mm
Weight	335.0 gr

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