

LEMCO[®]

addons

RF Terrestrial Splitters

- High RF isolation
- Low insertion loss
- Excellent electromagnetic shielding



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RF Terrestrial Splitters

- ◆ The LSP-10x 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-10x 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

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× 38.5 × 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

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× 38.5 × 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

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

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	4
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch

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 × 38.5 × 28mm
Weight	69.0 gr



Connectors

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

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 × 38.5 × 28mm
Weight	122.0 gr



Connectors

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

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 × 38.5 × 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

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× 43 × 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

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 × 54.5 × 35mm
Weight	335.0 gr



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addons

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