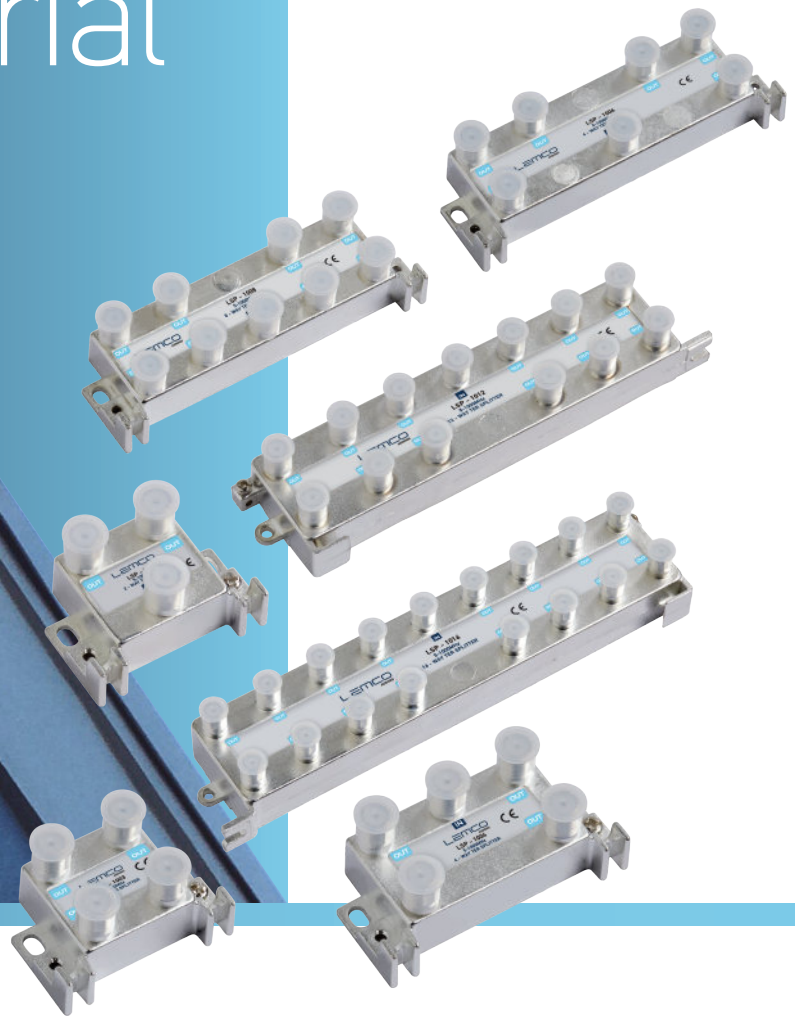


# RF Terrestrial Splitters

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



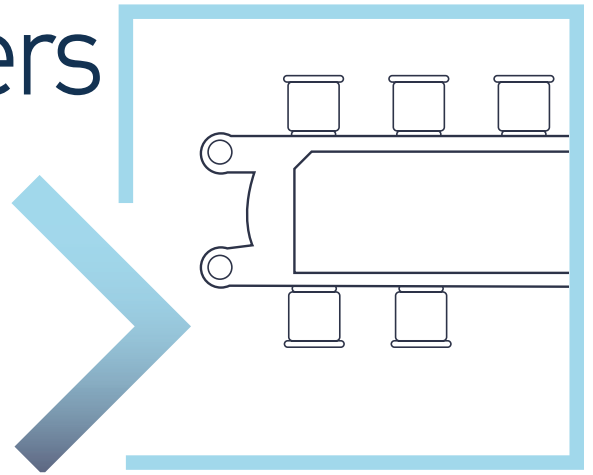
Leading the signal  
all over the world



# 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	5213009760942
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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	5213009760959
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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

<b>Electrical</b>	
Frequency range	5-1000MHz
Impedance	75Ω
<b>Insertion loss (in-out)</b>	
5-40 MHz	≤7.0dB max
40-470 MHz	≤7.2dB max
470-860 MHz	≤7.6dB max
860-1000 MHz	≤8.0dB max
<b>Return Loss (in-out)</b>	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB
<b>Isolation (out-out)</b>	
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
<b>Connectors</b>	
No of inputs	1
No of outputs	4
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch
<b>EAN-13</b>	
Code	5213009760966
<b>General</b>	
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

<b>Electrical</b>	
Frequency range	5-1000MHz
Impedance	75Ω
<b>Insertion loss (in-out)</b>	
5-40 MHz	≤10.0dB max
40-470 MHz	≤10.0dB max
470-860 MHz	≤10.5dB max
860-1000 MHz	≤11.0dB max
<b>Return Loss (in-out)</b>	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB
<b>Isolation (out-out)</b>	
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
<b>Connectors</b>	
No of inputs	1
No of outputs	6
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch
<b>EAN-13</b>	
Code	5213009760973
<b>General</b>	
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

<b>Electrical</b>	
Frequency range	5-1000MHz
Impedance	75Ω
<b>Insertion loss (in-out)</b>	
5-40 MHz	≤10.5dB max
40-470 MHz	≤11.0dB max
470-860 MHz	≤11.5dB max
860-1000 MHz	≤12.0dB max
<b>Return Loss (in-out)</b>	
5-40 MHz	≥20.0dB
40-470 MHz	≥20.0dB
470-860 MHz	≥20.0dB
860-1000 MHz	≥20.0dB
<b>Isolation (out-out)</b>	
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
<b>Connectors</b>	
No of inputs	1
No of outputs	8
Connector	F-female
Connector screw thread	3/8"-32UNEF Inch
<b>EAN-13</b>	
Code	5213009760980
<b>General</b>	
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

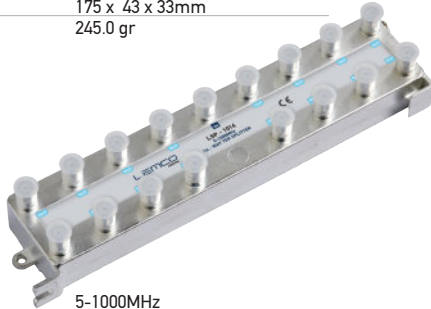
### EAN-13

Code	5213009760997
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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	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	5213009761000
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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	235 x 54.5 x 35mm
Weight	335.0 gr

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