

LS 2150A

**Series Active (Amplified-Zero Loss)
L-Band Splitter**



FEATURES

The LS 2150A Series commercial quality active (zero loss) L-band splitters meet strict level, match, and loss specifications achieved through the use of Quintech's proprietary microstrip and SMT technology. They operate over the Satellite L-band (950-2150 MHz) frequency range and enable the splitting of L-band RF signals with repeatable performance over the entire frequency range and across all I/O ports. The LS 2150P Series are passive satellite L-band splitters which permit simple splitting of RF signals. These commercial quality splitters meet strict level, match and loss specifications achieved through the use of Quintech's proprietary microstrip and SMT technology

- Convenient, centralized rack mount designs improve cable management.
- Microstrip design provides better performance and reliability.
- Larger configurations eliminate cascaded combiners for better performance.
- Active (zero loss) combiners allow for ease in RF budget design.
- Custom configurations for optimization of rack space and increased flexibility.
- Greatly improves cable management and aesthetics by allowing for easy access to cable routing and easing identification of cabling.
- Reduces cable connector failures by eliminating the need for frequent manual connects/disconnects.



Specifications

LS04-2150A 04 Way Splitter for L-Band

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|---------------------|--|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | +3 dBm |
| OIP3: | +17.5 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 1 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 4 dB |
| Output Return Loss: | 15 dB |
| Noise Figure: | 9 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, @ 2.0A via 2-pin quick connect barrier strip |
| LNB Power: | 18-24 V (1.7A max. available for LNB power) |
| Power Consumption: | 10 W (plus customer LNB power load) |
| Mechanical: | 1 RU (1.75" H x 19" W x 6.5" D) |
| Weight: | 10.0 lbs. gross (boxed), 3.2 lbs. net |
| Certifications: | CE |

LS08-2150A 08 Way Splitter for L-Band

| | |
|---------------------|---|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | 0 dBm |
| OIP3: | 10 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 1 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 13 dB |
| Output Return Loss: | 16 dB |
| Noise Figure: | 7 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, @1A via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (800 mA max. available for LNB power) |
| Power Consumption: | 12 W (plus customer LNB power load) |
| Mechanical: | 1 RU (1.75" H x 19" W x 6.5" D) |
| Weight: | 5.6 lbs. gross (boxed), 3.0 lbs. net |
| Certifications: | CE |

LS12-2150A 12 Way Splitter for L-Band

| | |
|---------------------|--|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | -5 dBm |
| OIP3: | +6 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 13 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 8 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, @ 1A via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (800 mA max. available for LNB power) |
| Power Consumption: | 9 W (plus customer LNB power load) |
| Mechanical: | 1 RU (1.75" H x 19" W x 6.5" D) |
| Weight: | 5.0 lbs. gross (boxed), 2.5 lbs. net |
| Certifications: | CE, NRTL / TUV, FCC Part 15 |

LS16-2150A 16 Way Splitter for L-Band

| | |
|---------------------|---|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | 0 dBm |
| OIP3: | +10 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 14 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 8 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, @ 1 A via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (800 mA max. available for LNB power) |
| Power Consumption: | 6 W (plus customer LNB power load) |
| Mechanical: | 1 RU (1.75" H x 19" W x 6.5" D) |
| Weight: | 5.0 lbs. gross (boxed), 2.5 lbs. net |
| Certifications: | CE, NRTL / TUV, FCC Part 15 |

LS24-2150A 24 Way Splitter for L-Band

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|---------------------|--|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | -10 dBm |
| OIP3: | +3 dBm @1550 MHz |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 12 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 12 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, @ 1A via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (800 mA max. available for LNB power) |
| Power Consumption: | 13 W (plus customer LNB power load) |
| Mechanical: | 2 RU (3.5" H x 19" W x 14" D) |
| Weight: | 10.5 lbs. gross (boxed), 7.0 lbs. net |
| Certifications: | CE |

LS32-2150A 32 Way Splitter for L-Band

| | |
|---------------------|---|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | -10 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 12 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 12 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (800 mA max. available for LNB power) |
| Power Consumption: | 12 W, plus customer LNB power load |
| Mechanical: | 2 RU (3.5" H x 19" W x 14" D) |
| Weight: | 11 lbs. gross (boxed), 6.2 lbs. net |
| Certifications: | CE |

LS48-2150A 48 Way Splitter for L-Band

| | |
|---------------------|---|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | -10 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 12 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 11 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24V, @ 1A via 2-pin quick connect barrier strip |
| LNB Power: | 18 V (750 mA max. available for LNB power) |
| Power Consumption: | 13 W (plus customer LNB power load) |
| Mechanical: | 3 RU (5.25" H x 19" W x 20" D) |
| Weight: | 15.4 lbs. gross (boxed), 9.4 lbs. net |
| Certifications: | CE |

LS64-2150A 64 Way Splitter for L-Band

| | |
|---------------------|---|
| Frequency: | 950-2150 MHz |
| Impedance: | 75 Ω |
| P1dB: | -10 dBm |
| Insertion Loss: | 0 + 2 dB |
| Frequency Response: | + 2 dB |
| Isolation: | 18 dB |
| Input Return Loss: | 12 dB |
| Output Return Loss: | 12 dB |
| Noise Figure: | 11 dB |
| RF Connectors: | Type F, 75 Ω |
| Power Requirements: | 18-24 V, via 2-pin quick connect barrier strip |
| LNB Power: | 18-24 V, (700 mA max. available for LNB power) |
| Power Consumption: | 18 W (plus customer LNB power load) |
| Mechanical: | 3 RU (5.25" H x 19" W x 20" D) |
| Weight: | 15.5 lbs. gross (boxed) 9.2 lbs. net |
| Certifications: | CE |

