

PRIMEX Product Specifications

Coax Splitter

1675 MHz Right Angle Splitters

1. SUMMARY

The Primex Coax Splitters are purpose-built to meet DOCSIS 3.1 and MOCA 2.5 standards.

Available in 2, 4, 6, and 8-way configurations, these splitters are ideal for installation in Primex SOHO Pro™ Media Panels and allows quick connectivity by MSO's and integrators.

The splitters can be mounted vertically or horizontally (4, 6, 8 only) to accommodate tight installations.

2. PRODUCT SIZES

2, 4, 6 and 8 Way Options

3. FEATURES & BENEFITS

- 6KV ring wave surge protected to ensure low inter-modulation performance.
- Enhanced return path RL and isolation performance for compatibility of all 2-way digitally modulated networks.
- 1675 MHz bandwidth with minimal insertion loss and reliable RF performance.
- Port to port Isolation providing a resilient digital network.
- Voltage blocking capacitors eliminate core saturation from ground loops and prevent hum modulation.
- SCTE compliant industry standard.
- UL listed.

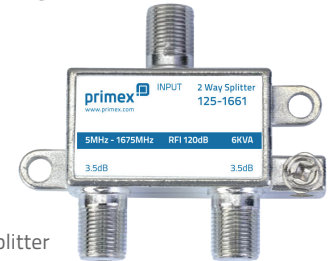
4. CONFIGURATIONS

| Part # | Description |
|----------|----------------------------------|
| 125-1661 | 2-Way Coax Splitter (horizontal) |
| 125-1574 | 4-Way Coax Splitter (vert/horiz) |
| 125-1575 | 6-Way Coax Splitter (vert/horiz) |
| 125-1576 | 8-Way Coax Splitter (vert/horiz) |

8-Way Splitter



2-Way Splitter



| Electrical Specifications | | | | | |
|---|--|--------------|--------------|--------------|--------------|
| | Frequency (MHz) | 2-Way | 4-Way | 6-Way | 8-Way |
| Insertion Loss (dB) | 5-15 | 3.3-3.5 | 7.1-7.2 | 10-11 | 10-11 |
| | 15-54 | 3.5-3.6 | 7.2-7.3 | 10-11 | 10-11 |
| | 54-550 | 3.5-3.6 | 7.2-7.3 | 11-12 | 11-12 |
| | 550-870 | 3.7-3.8 | 7.5-7.7 | 11-12 | 11-12 |
| | 870-1002 | 3.9-4.1 | 8.0-8.2 | 12-13 | 12-13 |
| | 1002-1675 | 6.1-6.5 | 12.0-13.0 | 17-18 | 18-19 |
| Input Return Loss (dB) | 5-15 | 20 | 20 | 20 | 20 |
| | 15-54 | 22 | 22 | 22 | 22 |
| | 54-550 | 22 | 22 | 22 | 22 |
| | 550-870 | 21 | 21 | 21 | 21 |
| | 870-1002 | 20 | 20 | 20 | 20 |
| | 1002-1675 | 10 | 10 | 10 | 10 |
| Output Return Loss (dB) | 5-15 | 20 | 20 | 20 | 20 |
| | 15-54 | 22 | 22 | 22 | 22 |
| | 54-550 | 22 | 22 | 22 | 22 |
| | 550-870 | 21 | 21 | 21 | 21 |
| | 870-1002 | 20 | 20 | 20 | 20 |
| | 1002-1675 | 10 | 10 | 10 | 10 |
| Isolation (dB) | 5-15 | 26-25 | 26-25 | 26-25 | 26-25 |
| | 15-54 | 35-30 | 35-30 | 35-30 | 35-30 |
| | 54-550 | 26-25 | 26-25 | 26-25 | 26-25 |
| | 550-870 | 26-25 | 26-25 | 26-25 | 26-25 |
| | 870-1002 | 23-22 | 23-22 | 23-22 | 23-22 |
| | 1002-1675 | 35-30 | 35-30 | 35-40 | 35-30 |
| RFI (dB) | 5-1675 | -110 to -120 | -110 to -120 | -110 to -120 | -110 to -120 |
| General | | | | | |
| Impedance | 5-1675 | 75 Ohm | | | |
| Spurious Signals: Including 2nd Harmonics | -45dBmV after 2KV ring wave surge Measuring with 50dBmV return input carrier | | | | |
| Surge Protection | 2KV Ring Wave Surge, IEEE C62,41 Cat A1 | | | | |
| Environmental | | | | | |
| Pressure Seal | 15PSI | | | | |
| Operating Temperature | -15°C to +60°C | | | | |
| Corrosion Resistance | Meets SCTE/ANSI Specification | | | | |