

# 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.

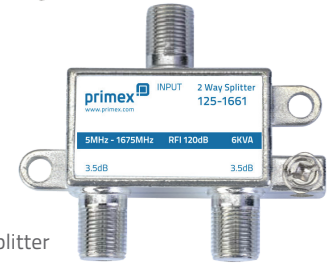
### 4. CONFIGURATIONS

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
<b>General</b>					
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				
<b>Environmental</b>					
Pressure Seal	15PSI				
Operating Temperature	-15°C to +60°C				
Corrosion Resistance	Meets SCTE/ANSI Specification				

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[www.primex.com](http://www.primex.com)

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