

# PRIMEX TELECOM

## Product Specification Sheet

PRODUCT  
MODEL CODE

# Coax Splitter

## 1 GHz Right Angle Splitters

### 1. PRODUCT SUMMARY

The Primex Coax Splitter is ideal for combining and splitting signals in the Head End, MDU or large subscriber applications.

Featuring an 8-way right angle configuration, the Coax Splitter is designed for high performance in systems utilizing Digital IP integration, cable modem and analog services. It includes full size housing and SMT technology combined with high quality ferrites and blocking capacitors on all ports for long term stability in performance.

### 2. PRODUCT DIMENSIONS

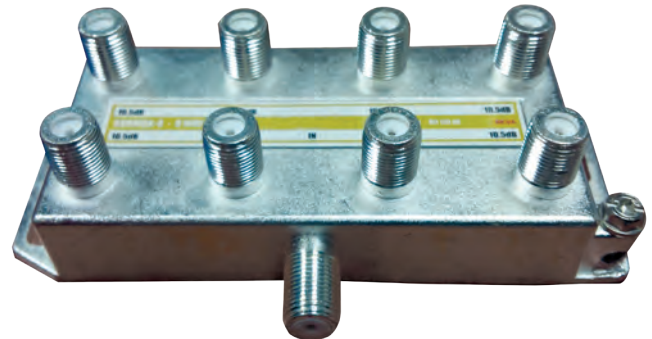
SIZE: 4.6" L x 2.25" W x 1.25" H

### 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.
- Flat 1 GHz bandwidth with minimal insertion loss and reliable RF performance.
- High port to port Isolation providing a resilient 1 GHz Digital network.
- Voltage blocking capacitors eliminate core saturation from ground loops and prevent hum modulation.
- SCTE compliant.

### 4. CONFIGURATIONS

Part #	Description
125-1046	Coax splitter, 8-port



Parameter	Frequency (MHz)		
Insertion Loss Maximum (dB)	5 - 15	10.3	10.6
	15 - 42	10.3	10.6
	50 - 550	11.0	11.3
	550 - 870	11.6	12.0
	870 - 1000	12.0	12.5
Return Loss Input Minimum (dB)	5 - 15	25	22
	15 - 42	30	25
	50 - 550	25	20
	550 - 870	25	20
	870 - 1000	24	20
Return Loss Output Minimum (dB)	5 - 15	23	20
	15 - 42	35	30
	50 - 550	28	20
	550 - 870	25	20
	870 - 1000	24	20
Port/Port Isolation (Output/Output) Minimum (dB)	5 - 15	28	24
	15 - 42	38	35
	50 - 550	29	26
	550 - 870	27	24
	870 - 1000	27	23
RFI (dB)	5 - 1000	-130	-120
Impedance	5 - 1000		

### FOR MORE INFORMATION CONTACT:

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