

# CS3G-1.8



## HomeConnect® Three-way Splitter, 5–1218/1800 MHz

**OBSOLETE**

### Product Classification

<b>Product Type</b>	Coaxial splitter
<b>Product Brand</b>	HomeConnect®

### General Specifications

<b>Device Type</b>	Splitter
<b>Application</b>	Indoor   Outdoor
<b>Mounting</b>	Horizontal
<b>Video Ports, quantity</b>	3

### Electrical Specifications

<b>Insertion Loss at Frequency Band, port 1, typical</b>	3.6 dB @ 5–400 MHz   4.5 dB @ 400–1218 MHz   5.0 dB @ 1218–1794 MHz
<b>Insertion Loss at Frequency Band, port 2, typical</b>	7.2 dB @ 5–400 MHz   8.6 dB @ 400–1218 MHz   9.5 dB @ 1218–1794 MHz
<b>Return Loss at Frequency Band, input, minimum</b>	16 dB @ 1218–1794 MHz   18 dB @ 1002–1218 MHz   20 dB @ 5–1002 MHz
<b>Return Loss at Frequency Band, output, minimum</b>	16 dB @ 1218–1794 MHz   18 dB @ 1002–1218 MHz   20 dB @ 5–1002 MHz
<b>Frequency Response</b>	±0.5 dB @ 1002–1794 MHz   ±0.5 dB @ 5–1002 MHz
<b>Impedance</b>	75 ohm
<b>Operating Frequency Band</b>	5 – 1794 MHz
<b>Power Passing</b>	No
<b>Shielding Effectiveness, minimum</b>	120 dB
<b>Spurious Signals/2nd Order Harmonics, before surge</b>	<-100 dBc
<b>Surge Capability Test Method</b>	ANSI/SCTE 81   Category A3 (6 kV, 200 A, Ring wave)
<b>Surge Capability Waveform</b>	100 kHz ring wave waveform

# CS3G-1.8

---

## Electrical Specifications, Isolation

### Isolation at Frequency Band, output to output, minimum

20 dB @ 1002-1794 MHz | 22 dB @ 5-10 MHz | 23 dB @ 870-1002 MHz | 26 dB @ 65-870 MHz | 30 dB @ 10-65 MHz

## Environmental Specifications

### Operating Temperature

-40 °C to +60 °C (-40 °F to +140 °F)

### Grounding and Bonding Standard

UL 467 Ground Clamp Communication

### Safety Standard

SCTE

## Packaging and Weights

### Height, packed

203.2 mm | 8 in

### Width, packed

330.2 mm | 13 in

### Length, packed

520.7 mm | 20.5 in

### Carton Quantity

300

### Weight, gross

20.5 kg | 45.195 lb

## Regulatory Compliance/Certifications

### Agency

### Classification

CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

