

# CS3G-1.8



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

### Product Classification

Product Type	Coaxial splitter
Product Brand	HomeConnect®

### General Specifications

Device Type	Splitter
Application	Indoor   Outdoor
Mounting	Horizontal
Video Ports, quantity	3

### Electrical Specifications

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

### Electrical Specifications, Isolation

Isolation at Frequency Band, output to output, minimum	20 dB @ 1002-1794 MHz   22 dB @ 5–10 MHz   23 dB
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@ 870–1002 MHz | 26 dB @ 65–870 MHz | 30 dB @ 10–65 MHz

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Grounding and Bonding Standard</b>	UL 467 Ground Clamp Communication
<b>Safety Standard</b>	SCTE

## Packaging and Weights

<b>Height, packed</b>	203.2 mm   8 in
<b>Width, packed</b>	330.2 mm   13 in
<b>Length, packed</b>	520.7 mm   20.5 in
<b>Carton Quantity</b>	300
<b>Weight, gross</b>	20.5 kg   45.195 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

