

# CSPM7G



## HomeConnect® Passive Gateway, 7 port CATV (5-1002 MHz) with MoCA, Point of Entry (POE) Filter

- Engineered to deliver maximum RF performance within the operating frequency band
- The raised body allows moisture to drain behind the unit and uses a priority plating for use in harsh environments
- Includes zinc die cast body with a soldered back plate for superior RF shielding
- The machined "F" ports -with an innovative four-sided contact- provide excellent retention and electrical performance

**OBSOLETE**

## Product Classification

<b>Product Type</b>	Passive gateway
<b>Product Brand</b>	HomeConnect®

## General Specifications

<b>Device Type</b>	Passive gateway
<b>Application</b>	Indoor   Outdoor
<b>Mounting</b>	Horizontal or All Port Down
<b>Output Port</b>	1 High Output Access (CATV + MoCA)   1 Low Output Access (CATV + MoCA)   4 Home (MoCA)

## Electrical Specifications

<b>Insertion Loss at Frequency Band, input to any Home output port</b>	$\geq 40\text{dB @ } 5\text{--}1675\text{ MHz}$
<b>Insertion Loss at Frequency Band, input to high output Access port</b>	$\leq 4.0\text{ dB @ } 5\text{--}400\text{ MHz} \quad   \quad \leq 5.0\text{ dB @ } 400\text{--}600\text{ MHz} \quad   \quad \leq 6.0\text{ dB @ } 600\text{--}1002\text{ MHz} \quad   \quad \geq 40\text{ dB @ } 1125\text{--}1675\text{ MHz}$
<b>Insertion Loss at Frequency Band, input to low output Access port</b>	$\leq 7.7\text{ dB @ } 5\text{--}400\text{ MHz} \quad   \quad \leq 8.5\text{ dB @ } 400\text{--}600\text{ MHz} \quad   \quad \leq 9.5\text{ dB @ } 600\text{--}1002\text{ MHz} \quad   \quad \geq 40\text{ dB @ } 1125\text{--}1675\text{ MHz}$
<b>Return Loss at Frequency Band, Access output port</b>	$\geq 18\text{ dB @ } 5\text{--}1002\text{ MHz} \quad   \quad \geq 5\text{ dB @ } 1125\text{--}1675\text{ MHz}$
<b>Return Loss at Frequency Band, Home output port</b>	$\geq 18\text{ dB @ } 1125\text{--}1675\text{ MHz}$
<b>Return Loss at Frequency Band, input, minimum</b>	$18\text{ dB @ } 5\text{--}1002\text{ MHz}$

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<b>Frequency Response</b>	±0.4 dB @ 5–1002 MHz
<b>Impedance</b>	75 ohm
<b>Operating Frequency Band</b>	5 – 1675 MHz
<b>Operating Frequency Band Access Port</b>	CATV 5–1002 MHz   MoCA 1125–1675 MHz
<b>Operating Frequency Band Home Port</b>	MoCA 1125–1675 MHz
<b>Power Passing</b>	No
<b>Shielding Effectiveness, minimum</b>	100 dB
<b>Spurious Signals/2nd Order Harmonics</b>	< -80 dBc
<b>Surge Capability Test Method</b>	IEEE C62.41-1991-B3 (500 V to 6 kV, 3000 A Combination wave) on Input Port   IEEE C62.41-1991-B3 (500 V to 6 kV, 500 A Ring wave) on all Output Ports

## Electrical Specifications, Isolation

<b>Isolation at Frequency Band, access to access output</b>	≤30 dB @ 1125–1675 MHz   ≥25 dB @ 5–10 MHz   ≥25 dB @ 86–1002 MHz   ≥35 dB @ 11–85 MHz
<b>Isolation at Frequency Band, access to home output, minimum</b>	28 dB @ 1125–1675 MHz
<b>Isolation at Frequency Band, home to home output, minimum</b>	16 dB @ 1125–1675 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

## Packaging and Weights

<b>Height, packed</b>	220 mm   8.661 in
<b>Width, packed</b>	235 mm   9.252 in
<b>Length, packed</b>	340 mm   13.386 in
<b>Carton Quantity</b>	50
<b>Weight, gross</b>	17.69 kg   39 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

