HomeConnect® Mini Subscriber Amplifier, 15 dB, one port, with power inserter

Product Classification

Product Type: RF amplifier
Product Brand: HomeConnect®

General Specifications

Device Type: Subscriber amplifier
Application: Indoor | Outdoor
Video Ports, quantity: 1
Video Standard: NTSC

Electrical Specifications

Distortion Performance (CCN), minimum: 70 -dBc
Distortion Performance (CSO), minimum: 65 -dBc
Distortion Performance (CTB), minimum: 80 -dBc
Distortion Performance (X-Mod), minimum: 75 -dB
Group Delay, channel 2–4, maximum: 20 ns
Group Delay, channel 5–6, maximum: 5 ns
Group Delay, reverse, maximum: 20 ns
Hum Modulation, minimum: -75 dB
Impedance: 75 ohm
Operating Current at Voltage: 200 mA @ 12 Vdc
Shielding Effectiveness, minimum: 100 dB
Surge Capability Test Method: ANSI/SCTE 81 | IEEE C62.41-A3 (6 kV, 200 A, Ring wave) on all ports | IEEE C62.41-B3 (6 kV, 3000 A, Combination wave) on input port
Surge Capability Waveform: 1.2/50 voltage and 8/20 current combination
Electrical Specifications, Isolation

Isolation at Frequency Band, power port to RF output, minimum
55 dB @ 5–1002 MHz

Electrical Specifications, Rx (Uplink)

Flatness
±0.5 dB
Insertion Loss, maximum
1.2 dB
Return Loss, minimum
20 dB
Operating Frequency Band
5 – 42 MHz

Electrical Specifications, Tx (Downlink)

Flatness
±0.75 dB
Gain
15 dB
Noise Figure, maximum
4 dB
Operating Frequency Band
53 – 1002 MHz
Return Loss, minimum
20 dB

Environmental Specifications

Operating Temperature
-40 °C to +60 °C (-40 °F to +140 °F)
Safety Standard
CE | SCTE

Packaging and Weights

Height, packed
190.5 mm | 7.5 in
Width, packed
228.6 mm | 9 in
Length, packed
469.9 mm | 18.5 in
Carton Quantity
20
Included
Power adapter | Power inserter
Weight, gross
8.391 kg | 18.5 lb

Regulatory Compliance/Certifications

Agency
CHINA-ROHS
ISO 9001:2015
REACH-SVHC
Classification
Below maximum concentration value
Designed, manufactured and/or distributed under this quality management system
Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS Compliant

Included Products

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* Footnotes

Distortion Performance (CCN), minimum

CCN—Composite Carrier to Noise; 77 analog, 110 digital—256 QAM channel loading

Distortion Performance (CSO), minimum

CSO—Composite Second Order; 77 analog, 110 digital—256 QAM channel loading

Distortion Performance (CTB), minimum

CTB—Composite Triple Beat; 77 analog, 110 digital—256 QAM channel loading

Distortion Performance (X-Mod), minimum

X-Mod—Cross Modulation; 77 analog, 110 digital—256 QAM channel loading

Group Delay, channel 2–4, maximum

Channel 2 (3.58 MHz Span)

Group Delay, channel 5–6, maximum

Channel 4–6 (3.58 MHz Span)

Noise Figure, maximum

Total amplifier contribution