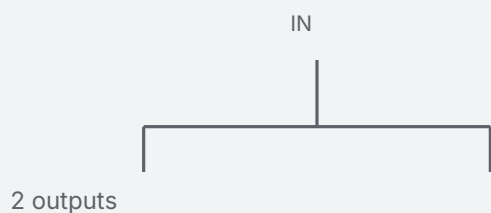


CX-202C / CX-203C / SATELLITE DISTRIBUTION

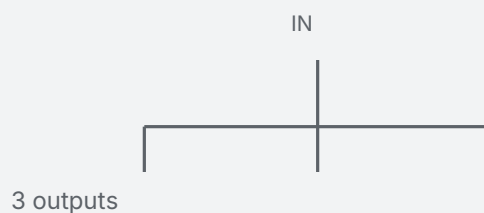
# All-Ports Power-Pass Splitters

Two-way and three-way RF distribution with DC power pass on all ports for satellite installations.

## CX-202C



## CX-203C



Logical port layouts; product housings are not shown.

| General specifications          | Details                               |
|---------------------------------|---------------------------------------|
| Frequency range / impedance     | 5-2500 MHz / 75 $\Omega$              |
| Connector interface             | F female                              |
| DC power pass                   | All ports; diode steered              |
| Housing / finish                | Zinc die-cast / tin plated            |
| RFI shielding effectiveness     | $\geq 130$ dB                         |
| Surge protection                | Category A3, 6 kV ring wave           |
| Operating temperature           | -34 to +60 °C                         |
| Salt spray / UV test references | ASTM B117 / ASTM G154; 500 hours each |
| Compliance references           | CE; RoHS                              |

## Select by network layout

Choose the output count, then review the model-specific insertion loss, return loss and output isolation on page 2 for the required operating bands.

# Satellite Splitter Performance

## CX-202C / CX-203C

Model-specific electrical limits for the frequency bands listed below.

### INSERTION LOSS

| Frequency band | CX-202C | CX-203C |
|----------------|---------|---------|
| 5–862 MHz      | ≤4.7 dB | ≤7.7 dB |
| 950–2150 MHz   | ≤5.2 dB | ≤9.5 dB |
| 2150–2500 MHz  | ≤5.4 dB | ≤9.7 dB |

### OUTPUT ISOLATION

| Frequency band | CX-202C | CX-203C |
|----------------|---------|---------|
| 5–300 MHz      | ≥20 dB  | ≥20 dB  |
| 301–862 MHz    | ≥21 dB  | ≥21 dB  |
| 950–2500 MHz   | ≥21 dB  | ≥21 dB  |

### RETURN LOSS

| Parameter   | CX-202C | CX-203C |
|-------------|---------|---------|
| Return loss | ≥12 dB  | ≥12 dB  |

Return-loss frequency conditions are not specified in this overview. Insertion-loss and isolation values apply to the bands listed; no values are inferred for gaps between bands.

### APPLICATIONS

Satellite television, direct-to-home systems, residential and commercial RF distribution, and multi-dwelling installations.