

# CommScope 4-Way Low PIM 4.3-10 Female High Power Splitter, 555-6000 MHz

SKU: ACC-CS-00032

MPN: S-4-UW-H-43-I6

## Description

The CommScope 4-Way Low PIM High Power Splitter (SKU: ACC-CS-00032) efficiently divides RF signals across a 555-6000 MHz frequency range. Featuring a 6.00 dB coupling value, it ensures optimal signal distribution with minimal loss. Designed with 4.3-10 Female connectors for both input and output ports, this splitter provides a consistent 50 Ω input impedance and maintains a low third-order PIM rating of -165 dBc, ensuring high-quality signal integrity.

Engineered for versatility, it operates reliably within temperatures from -35 °C to 85 °C and is IP67 rated for ingress protection against dust and water. It boasts excellent VSWR performance of <1.3:1 across its operating bandwidth, with insertion losses ranging from 0.30 dB at lower frequencies to 1.40 dB at higher frequencies.

This splitter complies with ISO 9001 Quality Management and RoHS standards, reflecting CommScope's commitment to quality and environmental responsibility. Ideal for a range of telecommunications applications, it supports both wired and wireless networks, making it a key component in advanced network infrastructures.

CommScope, a leader in communications infrastructure, leverages over 40 years of innovation to deliver cutting-edge network solutions globally.



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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

# RF Specification

|                   |          |                   |          |
|-------------------|----------|-------------------|----------|
| Min. Frequency:   | 555 MHz  | Input Impedance:  | 50       |
| Max. Frequency:   | 6000 MHz | Max. Input Power: | 300 W    |
| Coupling / Split: | 6 dB     | PIM, 3rd Order:   | -165 dBc |

## Port Matrix

| Port Function | RF Interface  |
|---------------|---------------|
| Input         | 4.3-10 Female |
| Output        | 4.3-10 Female |

## Frequency Test Data

| Start Frequency | Stop Frequency | VSWR     | Insertion Loss |
|-----------------|----------------|----------|----------------|
| 555 MHz         | 2700 MHz       | < 1.25:1 | 0.3 dB         |
| 2700 MHz        | 3800 MHz       | < 1.25:1 | 0.55 dB        |
| 3800 MHz        | 4900 MHz       | < 1.3:1  | 0.75 dB        |
| 4900 MHz        | 6000 MHz       | < 1.3:1  | 1.4 dB         |

## Physical Specification

|                     |                 |                             |                             |
|---------------------|-----------------|-----------------------------|-----------------------------|
| Input Ports:        | 1               | Min. Operating Temperature: | -35 °C                      |
| Output Ports:       | 4               | Max. Operating Temperature: | 85 °C                       |
| Subtype:            | Power Divider   | Compliance/Certifications:  | ISO 9001 Quality Management |
| Ingress Protection: | IP67            | RoHS                        |                             |
| Dimensions:         | 254 by 66 by 45 |                             |                             |
| Weight:             | 0.39 kg         |                             |                             |

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