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CommScope 3-Way Low PIM 4.3-10 Female High Power Splitter, 555- 6000 MHz

SKU
ACC-CS-00031
MPN
S-3-UW-H-43-I6

Description

The CommScope 3-Way Low PIM 4.3-10 Female High Power Splitter (SKU: ACC-CS-00031, Part Number: S-3-UW-H-43-I6) is engineered for optimal performance across a wide frequency range of 555-6000 MHz. Designed for robustness, it features an IP67 ingress protection rating and operates efficiently in temperatures from -35 °C to 85 °C. The splitter boasts a 50 Ω input impedance and a low 3rd Order PIM rating of -163 dBc, ensuring minimal signal interference.

This power divider offers consistent performance with a VSWR of <1.3:1 and a return loss of ≤ 19.10 dB throughout its operational frequency bands. Insertion loss varies minimally across the range: 0.20 dB (555-2700 MHz), 0.40 dB (2700-3800 MHz), 0.45 dB (3800-4900 MHz), and 0.90 dB (4900-6000 MHz). Both input and output ports are equipped with 4.3-10 Female connectors, ensuring reliable connections.

Compliant with ISO 9001 and RoHS standards, this splitter is suitable for high-demand applications in network infrastructure. Manufactured by CommScope, a leader in telecommunications solutions, this product is backed by over four decades of innovation and expertise, supporting global network advancements and reliable connectivity.



COMMScope®

[CommScope](#)

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

Max. Frequency

6000 MHz

Coupling / Split

4.8 dB

Input Impedance

50 Ω

Max. Input Power

3000 W

PIM, 3rd Order

-163 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	Return Loss
555 MHz	2700 MHz	< 1.25:1	0.2 dB	≤ 19.1 dB
2700 MHz	3800 MHz	< 1.25:1	0.4 dB	≤ 19.1 dB
3800 MHz	4900 MHz	< 1.25:1	0.45 dB	≤ 19.1 dB
4900 MHz	6000 MHz	< 1.25:1	0.9 dB	≤ 19.1 dB

Physical Specification

Input Ports

1

Output Ports

3

Subtype

[Power Divider](#)

Ingress Protection

[IP67](#)

Dimensions

202 x 61 x 43 mm

Weight

0.37 kg

Min. Operating Temperature

-35 °C

Max. Operating Temperature

85 °C

Compliance/Certifications

[ISO 9001 Quality Management](#)

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[RoHS](#)

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