Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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.



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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
,
RoHS

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