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

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.



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
6 dB
Input Impedance
50 Ω
Max. Input Power
300 W
PIM, 3rd Order
-165 dBc
Port Matrix

Port Function	RF Interface
Input	4.3-10 Female
Output	4.3-10 Female
Output	4.3-10 Female
Output	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
Output Ports
4
Subtype
Power Divider
Ingress Protection

IP67
Dimensions
254 by 66 by 45
Weight
0.39 kg
Min. Operating Temperature
-35 °C
Max. Operating Temperature
85 °C
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

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