

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 <math><1.3:1</math> 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.



RF Specification

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 ...

Min. Frequency:	555 MHz	Input Impedance:	50
Max. Frequency:	6000 MHz	Max. Input Power:	3000 W
Coupling / Split:	4.8 dB	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	Min. Operating Temperature:	-35 °C
Output Ports:	3	Max. Operating Temperature:	85 °C
Subtype:	Power Divider	Compliance/Certifications:	ISO 9001 Quality Management
Ingress Protection:	IP67	RoHS	
Dimensions:	202 x 61 x 43 mm		
Weight:	0.37 kg		

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

