

Page



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CommScope Low PIM 4x4 High Power Hybrid Matrix, 555-6000 MHz, 4.3-10 Female

SKU
ACC-CS-00087
MPN
H-4X4-UW-43-AI6

Description

The CommScope Low PIM 4x4 High Power Hybrid Matrix (SKU: ACC-CS-00087) is a robust RF adapter designed for optimal performance in the 555-6000 MHz frequency range. Its key feature is a 6.20 dB coupling, ensuring efficient signal division. Engineered for durability, it boasts an IP67 ingress protection, allowing it to function reliably in harsh environments from -35 °C to 85 °C.

This hybrid matrix offers a 3rd Order PIM rating of -163 dBc and maintains an input impedance of 50 Ω , ensuring minimal interference and maximum signal integrity. It is compliant with ISO 9001 and RoHS standards, signifying high quality and environmental responsibility.

Both input and output ports feature 4.3-10 Female connectors, facilitating seamless integration into various network configurations. The unit delivers an insertion loss of 17.70 dB and inter-port isolation exceeding 19 dB, enhancing overall network performance.

Manufactured by CommScope, a leader in...

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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

6.2 dB

Input Impedance

50 Ω

Max. Input Power

100 W

PIM, 3rd Order

-163 dBc

Port Matrix

Port Function RF Interface

Input [4.3-10 Female](#)

Output [4.3-10 Female](#)

Input [4.3-10 Female](#)

Output [4.3-10 Female](#)

Frequency Test Data

Start Frequency Stop Frequency Insertion Loss Inter-Port Iso.

555 MHz

6000 MHz

17.7 dB

> 19 dB

Physical Specification

Input Ports

4

Output Ports

4

Subtype

[Hybrid Coupler](#)

Ingress Protection

[IP67](#)

Dimensions

182.6 x 182.6 x 32.3

Weight

1.64 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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