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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.

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# RF Specification

| | | | |
|---|---|---|---|
| Min. Frequency: | 555 MHz | Input Impedance: | 50 Ω |
| Max. Frequency: | 6000 MHz | Max. Input Power: | 100 W |
| Coupling / Split: | 6.2 dB | PIM, 3rd Order: | -163 dBc |

CommScope

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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 | Min. Operating Temperature: | -35 °C |
| Output Ports: | 4 | Max. Operating Temperature: | 85 °C |
| Subtype: | Hybrid Coupler | Compliance/Certifications: | ISO 9001 Quality Management , RoHS |
| Ingress Protection: | IP67 | | |
| Dimensions: | 182.6 x 182.6 x 32.3 | | |
| Weight: | 1.64 kg | | |

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